

MASOUD SALAVATI-NIASARI

**(PROFESSOR@INTERNATIONAL 3-
FIELDSCIENTIST)**



1. دانشمند بین المللی در رشته مهندسی مواد
2. دانشمند بین المللی در رشته مهندسی شیمی
3. دانشمند بین المللی در رشته شیمی
4. استاد تمام دانشگاه کاشان
5. استاد وابسته دانشگاه تهران
6. مدیریت پژوهشی و فناوری برتر جمهوری اسلامی ایران در سال 1389 (وزارت علوم و تحقیقات)
7. دانشمند برتر جمهوری اسلامی ایران در سال 1387 (وزارت علوم و تحقیقات)
8. نفر دوم جمهوری اسلامی ایران در سومین جشنواره برترینهای نانو 1387
9. نفر اول جمهوری اسلامی ایران در چهارمین جشنواره برترینهای نانو 1388
10. نفر اول جمهوری اسلامی ایران در پنجمین جشنواره برترینهای نانو 1389
11. نفر دوم جمهوری اسلامی ایران در ششمین جشنواره برترینهای نانو 1390
12. نفر دوم جمهوری اسلامی ایران در هفتمین جشنواره برترینهای نانو 1391
13. نفر اول جمهوری اسلامی ایران در هشتمین جشنواره برترینهای نانو 1392
14. نفر اول جمهوری اسلامی ایران در نهمین جشنواره برترینهای نانو 1393
15. پژوهشگر برگزیده سالهای 1386 1387 1388 1391 1385 انجمن نانو فناوری ایران
16. پژوهشگر برگزیده سال 1388 و 1391 و 1384 استان اصفهان
17. پژوهشگر برگزیده سالهای 1382-1393 دانشگاه کاشان
18. تألیف 6 کتاب در زمینه نانوفناوری
19. سر دبیر مجله علمی پژوهشی نانساختارها
20. عضو انجمن نانوفناوری امریکا
21. چاپ دو پتنت در زمینه نانو در امریکا (**United States Patent**)

Institute of Nano Science and Nano Technology, University of Kashan, Kashan, P.O.
Box 87317-51167, Islamic Republic of Iran.

Department of Inorganic Chemistry, Faculty of Chemistry, University of Kashan,
Kashan, P.O. Box 87317-51167, Islamic Republic of Iran.

Tel: +98-31-5591 2383

FAX: +98-31-5591 2383

E-mail: salavati@kashanu.ac.ir; URL: <http://salavati.kashanu.ac.ir>

United States Patent Application 20120034465

Salavati-Niasari, Masoud; Davar, Fatemeh, Enhessari, Morteza, Esfahani, Mohammad Javad;

METHOD FOR PREPARING SILICA-DYSPROSIUM OXIDE CORE-SHELL NANOPARTICLES

Kind Code: A1

Application Number: 13/279273

Publication Date: 02/09/2012

Filing Date: 10/22/2011

Primary Class: [428/404](#)

Other Classes: 252/182.32, 977/773, 977/896

International Classes: B32B9/04; C09K3/00

United States Patent Application 20120115731

Salavati-Niasari, Masoud, Alikhanzadeh-arani, Sima

METHOD FOR PREPARING YTTRIUM BARIUM COPPER OXIDE (YBCO) SUPERCONDUCTING NANOPARTICLES

Kind Code: A1

Application Number: 13/343508

Publication Date: 05/10/2012

Filing Date: 01/04/2012

View Patent Images: [Download PDF 20120115731](#)

Primary Class: 505/126

Other Classes: 977/812, 977/773, 423/263, 977/896

International Classes: H01L39/12; B82B1/00; B82B3/00; B82Y30/00; C01F17/00

Professional Interests:

1. Heterogeneous and Homogeneous Catalysis
2. Zeolite
3. C-H bond activation
4. Synthesis and characterization of Coordination Compounds
5. Nanoreactor
6. Macrocyclic
7. Nanocomposite Materials
8. Host Guest Chemistry
9. Nanoparticles
10. Complex Nanoparticles
11. Thermal Decomposition
12. Hydrothermal Synthesis
13. Polymeric Nanocomposite Materials.
14. Solar Cell
15. Nano-bio-Materials
16. Nano-clusters
17. Nano-tube
18. Nano-powders
19. Nano-complex
20. Nano-superconductors
21. Flame Retardant Nanocomposite Materials

EDUCATION

B. S., Chemistry, Isfahan University (1992)

M.S., Inorganic chemistry, Isfahan University of Technology (1995)

Ph.D., Inorganic Chemistry, Tehran University (2001)

Honors & Awards

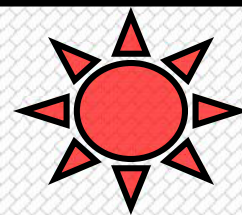
1. The best Researcher of the year award from Kashan University, **2002**.
2. The best Researcher of the year award from Kashan University, **2004**.
3. The best Selected 5 Researcher of the year in Isfahan Province, **2004**.
4. The Distinguished Researcher introduce to Ministry of Science Reserch and Technology, **2004**.
5. The Distinguished Researcher introduce to Ministry of Science Reserch and Technology, **2005**.
6. The best Researcher of the year award from Iranian Nanotechnology Society, INS, **2006**.
7. The best Researcher of the year award from Kashan University, **2006**.
8. The best Researcher of the year award from Iranian Nanotechnology Society, INS, **2007**.
9. The first person of the world in nanocomposite materials' filed.
10. The youngest Iranian International Scientist in all of the researches.
11. The first Iranian International Scientist in the Inorganic Chemistry, **2006**.
12. The best Researcher of the year award from Kashan University, **2007**.
13. The best Teature of the year award from Kashan University, **2008**.
14. The best Selected 2 Researcher of the year in **Nano Award Ceremony**, **2008**.
15. The youngest Iranian International Bi-Field (Chemistry and Chemical Engiering) Scientist in all of the researches, **2008**.
16. The best Researcher of the year award from Iranian Nanotechnology Society, INS, **2008**.
17. The best Researcher of the year award from University of Kashan, **2008**.
18. **The best Scientist of the year in IRAN, 2008.**
19. The best Researcher of the year award from Iranian Nanotechnology Society, INS, **2009**.
20. The best Selected Researcher of the year in Isfahan Province, **2009**.
21. The Distinguished Researcher introduce to Ministry of Science Reserch and Technology, **2009**.
22. The best Researcher of the year award from Kashan University, **2009**.
23. The best Selected Researcher of the year in **Nano Award Ceremony**, **2009**.
24. The best Selected Researcher of the year in **Nano Award Ceremony**, **2010**.
25. The best Researcher of the year award from Iranian Nanotechnology Society, INS, **2010**.
26. The best Researcher of the year award from Iranian Nanotechnology Society, INS, **2011**.
27. The best Selected Researcher of the year in **Nano Award Ceremony**, **2011**.
28. The best Researcher of the year award from Iranian Nanotechnology Society, INS, **2012**.
29. The best Researcher of the year award from Kashan University, **2012**.
30. The best Selected 5 Researcher of the year in Isfahan Province, **2012**.
31. The best Selected Researcher of the year in **Nano Award Ceremony**, **2012**.
32. The best Selected Researcher of the year in **Nano Award Ceremony**, **2013**.
33. The best Researcher of the year award from Kashan University, **2013**.
34. The best Selected Researcher of the year in **Nano Award Ceremony**, **2014**.

Teaching Experience (2001-up to now)

Graduate & Undergraduate

- 1) Inorganic Chemistry (I) (B.Sc)**
- 2) Inorganic Chemistry (II) (B.Sc)**
- 3) Organometallic Chemistry (B.Sc)**
- 4) Nuclear Chemistry (B.Sc)**
- 5) Physical Inorganic Chemistry (M.Sc)**
- 6) Inorganic Spectroscopy (M.Sc)**
- 7) Spectroscopy in Nanotechnology (M.Sc)**
- 8) Inorganic Polymer (Ph.D)**
- 9) Bioinorganic Chemistry (Ph.D)**
- 10) Inorganic Photochemistry (Ph.D).**
- 11) Property of Nanomaterials (M.Sc).**
- 12) Nanomaterial Synthesis (M.Sc)**
- 13) Advance Nanomaterial Synthesis (Ph.D)**

Publications



- 1. M. Salavati-Niasari**, F. Farzaneh, M. Ghandi, L. Turkian, "Oxidation of cyclohexene with *tert*-butylhydroperoxide catalyzed by manganese(II) complexes included in zeolite Y", *Journal of Molecular catalysis A: Chemical* 157 (2000) 183-188. (This article is depend on Thesis).
- 2. M. Salavati-Niasari**, F. Farzaneh, M. Ghandi, "selective hydroxylation of cyclic ethers with *tert*-butylhydroperoxide and hydrogen peroxide catalyzed by iron(III) and manganese(II) bipyridine complexes included in zeolite -Y and bentonite", *Journal of Molecular catalysis A: chemical* 175 (2001) 105-110. (This article is depend on Thesis).
- Z. Ghasemi, F. Basiripour, T. Poursaberi, **M. Salavati-Niasari**, M. Shamsipur, O.R. Hashemi, F. Raoufi, M. R. Ganjali, "Preconcentration of trace amounts of copper in aqueous samples by octadecylsilica membrane modified disks and determination by flame atomic absorption spectrometry", *Intern. J. Environ. Anal. Chem.*, 81 (2001) 233-242.
- T. Poursaberi, **M. Salavati-Niasari**, S. Khodabakhsh, L. Hajiagha-Babaei, M. Shamsipur, M. Yousefi, S. Rouhani, M.R. Ganjali, "A selective memberane electrode for thiocyanate ion based on a copper-1,8-dimethyl-1,3,6,8,10,13-azacyclotetradecane complex as ionophre", *Analytical letters*, 34 (2001) 2621-2632.
- 5. M. Salavati-Niasari**, F. Farzaneh, M. Ghandi, "Oxidation of cyclohexene with *tert*-butylhydroperoxide and hydrogeneperoxide catalyzed by alumina-supported manganese complexes", *Journal of Molecular catalysis A: chemical* 186 (2002) 101-107. (This article is depend on Thesis)
- M.R. Ganjali, T. Poursaberi, M. Hosseini, **M. Salavati-Niasari**, M. Yousefi, M. Shamsipur, "Highly selective iodide memberane electrode based on a cerium salen", *Analytical Sciences* 18 (2002) 289.
- M.R. Ganjali, M. Yosefi, M. Javanbakht, T. Poursaberi, **M. Salavati-Niasari**, L. Hajagha-Babaei, E. Latifi, M. Shamsipur, "Determination of thiocyanate in urine and saliva in smokers by thiocyanate-selective polymeric membrane based on a nickel azamacrocyclic complex coated on graphite electrode" *Anal. Sci.* 18 (2002) 887.
- M. Mazloun, **M. Salavati-Niasari**, M. K. Amini, "Pentacyclo octaaza as a nutral carrier in coated wire ion selective electrode for nickel" *Sensors and Actuators B* 82 (2002) 259.
- M.R. Ganjali, M. Emami, **M. Salavati-Niasari**, "Novel copper selective sensor based on a new hexadentates schiff base", *Bull. Korean Chem. Soc.* 23 (2002) 1394.

10. M. Mazloum, A.A Ensafi, **M. Salavati-Niasari** "Selective thiocyanate poly(vinylchloride) membrane based on a 1,8-di-benzyl-1,3,6,8,10,13-hexaazacyclo tetradecane -Ni perchlorate" *Analytica Chimica Acta* 462 (2002) 25.
11. M. Mazloum, **M. Salavati-Niasari**, H. Mirhoseini, M.K. Amini, "Silver-Selective Coated Wire Electrode Based On Resorc[4]arene Neutral Carrier" *Electroanalysis* 2002, 14, 376-381.
12. M. Amirnasr, K.J. Schenk, **M. Salavati-Niasari**, S. Dehghanpour, A. Taeb, A. Tadjarodi, "Synthesis and characterization of cobalt(II), nickel(II), and zinc(II) complexes with N,N-bis(*trans*-cinnamaldehyde)-1,2-diaminoethane ligand (ca₂en): crystal and molecular structure of Co(ca₂en)Cl₂, Co(ca₂en)Br₂ and Ni(ca₂en)Br₂" *J. Coord. Chem.*, 2003, 56, 231. (*This article is depend on Thesis*).
13. **M. Salavati-Niasari**, S. H. Banitaba "Alumina-supported Mn(II), Co(II), Ni(II) and Cu(II) Bis(2-hydroxyanil)acetylacetonate complexes as catalysts for the oxidation of cyclohexene with *tert*-butyl hydroperoxide" *Journal of Molecular catalysis A: Chemical* 201 (2003) 43-54.
14. **M. Salavati-Niasari**, H. Najafian, "Catalytic Oxidation of Tetrahydrofuran in the Presence of 14-Membered Hexaaza macrocyclic Copper(II) Complexes with Hydrogenperoxide" *J. Chem. Reserch* 9 (2003) 586-587.
15. **M. Salavati-Niasari**, H. Najafian, "One-Pot Template Synthesis and Properties of Ni(II) Complexes of 16-Membered Hexaaza Macrocycles", *Polyhedron* 22 (2003) 2633-2638.
16. M.R. Ganjali, F. Mizani, M. Emami, **M. Salavati-Niasari**, M. Shamsipur, M. Yosefi, M. Javanbakht, "Novel liquid memberane electrode for selective determination of monohydrogenphosphate" *Electroanalysis* 15 (2003) 139.
17. M. R. Ganjali, F. Mizani, **M. Salavati-Niasari**, "Novel monohydrogenphosphate sensor based on vanadyl salophen" *Analytica Chimica Acta* 481 (2003) 85.
18. M.R. Ganjali, F. Mizani, **M. Salavati-Niasari**, M. Javanbakht, "Novel potentiometric membrane sensor for determination of trace amounts of chromium (III) ions" *Analytical Sciences* 19 (2003) 235.
19. M.R. Ganjali, M. Golmohammadi, M. Yosefi, P. Norouzi, **M. Salavati-Niasari**, M. Javanbakht, "Novel pvc based copper(II) membrane sensor based on 2-(1-(4-(1-hydroxy-2-naphthyl)methyleneamino)butyliminiomethyl)-1-naphthol" *Analytical Sciences* 19 (2003) 223.
20. A.R. Asghari, M. K. Amini, H.R. Mansour, **M. Salavati-Niasari**, "A tetra-coordinate nickel(II) complex as neutral carrier for nitrate-selective PVC membrane electrode", *Talanta*, 61(2003) 557.
21. M.R. Ganjali, A. Daftari, F. Mizani, **M. Salavati-Niasari** "Titanium acetylacetonate as an excellent ion carrier in construction of iodide sensor" *Bull. Korean. Chem. Soc.*, 24 (2003) 23.

22. M.R. Gangali, M. Emami, M. Rezapour, M. Shamsipour, B. Maddah, **M. Salavati-Niasari**, M. Hosseinim Z. Talebpoui, "Novel gadolinium poly (vinylchloride)membrane sensor based on a new S-N Schiff-base", *Analtica Chemica Acta*,495 (2003) 51.
23. A. Asghari, M.K. Amini, H.R. Mansour, **M. Salavati-Niasari**,M. Rajabi, "Nitrate-Selective Membrane Electrode Based on Bis(2-hydroxyanil) acetylacetone Lead(II) Neutral Carrier, *Analytical Scienes*, 19 (2003) 1121-1125.
24. M.R. Ganjali I,M. Rezapour, M.R. Pourjavid,**M. Salavati-Niasari**, "Highly Selective PVC-Membrane Electrodes Based on Co(II)-Salen for Determination of Nitrite Ion, *Analytical Sciences* 19 (2003) 1127-1131.
25. M. Mazloun, A.A. Ensafi, **M. Salavati-Niasari**H. Mirhoseini, "Silver(I)-selective Coated-wire Electrode Based on an Octahyd roxycalix[4]arene Derivative" *Analytical Sciences* 19 (2003) 1187-1190.
26. M.R. Ganjali, R. kiani-Anbouhi, M.R. Pourjavid and **M. Salavati-Niasari**, "Bis(*trans*-cinnamaldehyde)ethylenediiminedibromonickel(II) complex as a neutral carrier for salicylate-selective liquid membrane and coated graphite sensors, *Talanta, Volume 61, Issue 3, 4 November 2003, Pages 277-284*
27. M. R. Ganjali, M. Qomi, A. Daftari, P. Norouzi, **M. Salavati-Niasari**, M. Rabbani, Novel lanthanum (III) membrane sensor based on a new N-S Schiff's base,*Sensors and Actuators B: Chemical*, 98 (2004) 92-96.
28. F. Shemirani, S. Dehghan Abkenar, A. Alsadat Mirroshandel, **M. Salavati-Niasari**, "Preconcentration and Speciation of Chromium in Water Samples by Atomic Absorption Spectroscopy after Cloud-Point Extraction" *Analytical Sciences*,19 (2003) 1453-1456.
29. F. Shemirani, R.R. Kozania, **M. Salavati-Niasari**, M.R. Jamali,S. Dehghan, A. Alsadat Mirroshandel, "Determination of Ni(II) and Co(II) by FAAS Aafter preconcentration on modified alumina column" *Indian Journal of Chemistry*, 42 (2003) 1086-1088.
30. M.R. Ganjali, M. Emami, **M. Salavati-Niasari**, M. Yosefi, "Determination of trace amounts of Cr(III) in presence of Cr(VI) by a novel potentiometric membrane sensor based on a new tridentate S,N,O Schiff-base" *Analytical Letters* 30 (2003) 2735-2747
31. M.R. Ganjali, M. Yosefi, T. Poursaberi, L. Naji, **M. Salavati-Niasari**, M. Shamsipur; "Highly selective and sensitive perchlorate sensors based on some recently synthesized Ni(II) hexaazacyclotetradecane complexes" *Electroanalysis* 18 (2003) 1476-1480.
32. M.R. Ganjali, A. Daftari, P. Nourozi, **M. Salavati-Niasari**, "Novel Y(III) PVC-based membrane microelectrode based on a new Schiff-base" *Analytical Letters*, 36(2003)1511-1522.

33. M.R. Ganjali, P. Norouzi, M. Golmohammadi, F. Mizani, T. Poursaberi, **M. Slavati-Niasari**, M. Shamsipur, M. Hosseini, M. Javanbakht, "Sulfate-selective pvc membrane electrode based on a strontium schiff base complex" *Annali di chimica* 93 (2003) 679.
34. M.R. Ganjali, M. Rezapour, M.R. Pourjavid, **M. Salavati-Niasari**, T. Poursaberi, "Anovel potentiometric membrane sensor for quik determination of trace amount of SO₄ based on zinc-schiff base" *Analytical Letters* 36 (2003) 881-894.
35. **M. Salavati-Niasari**, J. Hasanalian, H. Najafian, "Alumina supported, FeCl₃, MnCl₂, CoCl₂, NiCl₂, CuCl₂, and ZnCl₂ as catalysts for the benzylation of benzene by benzyl chloride" *Journal of Molecular catalysis A: Chemical* 209 (2004) 209-214.
36. **M. Salavati-Niasari**, Synthesis and Properties of 16-Membered HexaazaMacrocycles Complexes of Copper(II) Produced by One-Pot Template, *Inorganic Chemistry Communication*, 7 ((2004) 698-700
37. **M. Salavati-Niasari**, M. Rezai-Adaryani, "Template Condensation Reactions of Formaldehyde with Amines and 2,3-Butanedihydrazone: Preparation and Properties of Nickel(II) Complexs of 18-Membered Decaaza Macrocycles", *Polyhedron* 23 (2004) 1325-1331.
38. **M. Salavati-Niasari**, "Zeolite-Encapsulation Copper(II) Complexes with 14-Membered Hexaaza Macrocycles: Synthesis, Characterization and Catalytic Activity", *Journal of Molecular catalysis A: Chemical*, 217 (2004) 87-92.
39. Shemirani F.; Mirroshandel A.A.; **Salavati-Niasari M.**; Rahnama Kozani R Silica Gel Coated with Schiff's Base: Synthesis and Application as an Adsorbent for Cadmium, Copper, Zinc, and Nickel Determination after Preconcentration by Flame Atomic Absorption Spectrometry". *Journal of Analytical Chemistry*, 59 (2004) 228-233(6) Kluwer Academic Publishers.
40. M.R. Ganjali, M.R. Pourjavid, L. Haji-gha Babaei, **M. Salavati-Niasari**, ULTRA-TRACE MONITORING OF COPPER IN ENVIRONMENTAL AND "BIOLOGICAL SAMPLES BY INDUCTIVELY COUPLED PLASMA ATOMICEMISSION SPECTROMETRY AFTER SEPARATION AND PRECONCENTRATION BY USING OCTADECYL SILICA MEMBRANE DISKS MODIFIED BY A NEW SCHIFF'S BASE" *Quim. Nova*, 27 (2004) 213-217.
41. M. Mazloun Ardakani, **M. Salavati-Niasari**, M. Khayat-Kashani, S. M. Ghoreishi, "A copper ion-selective electrode with high selectivity prepared by sol-gel and coated wire techniques", *Analytical and Bioanalytical Chemistry* 378 (2004) 1659-1665.
42. M. Mazloun Ardakani, A. Dastanpour, **M. Salavati-Niasari**, "A highly selective nitrate electrode based on a tetramethylcyclotetradecanatonickel (II) complex" *Journal of Electroanalytical Chemistry* 568 (2004) 1-6.

43. M. Mazloum Ardakani, **M. Salavati-Niasari**, A. Sadeghi, "Novel selective thiocyanate PVC memberane electrode based on new Schiff base complex of 2.2-[(1,3-propanediylidene)dinitrilo]bis-benzenethiolato cadmium(II)" *New. J. Chem.*, 2004, 28, 595-599.
44. H. R. Zare, **M. Salavati-Niasari**, F. Memarzadeh, M. Mazloum, N. Nasirizadeh, " Coated wire silver-ion selective electrode based on a N,N-bis(2-thienylmethylene)-1,2-diaminobenzene", *Analytical Sciences* 20 (2004) 815.
45. M.R. Ganjali, Z. Ghasemi, **M., Salavati-Niasari**, L. Haji-agma Babaei, "Solid phase extraction and flame atomic absorption determination of copper" *Chem. Anal. (Warsaw)*, 47, 619 (2002)
46. M.R. Ganjali, M. Qomi, A. Daftari, P. Nourozi, **M., Salavati-Niasari**, M. Rabbani, "Novel lanthanum(III) membrane sensor based on a new N-S schiff-base", *Sensors and Actuators B* 98 (2004) 92-96.
47. **M. Salavati-Niasari**, M.R. Elzami, M.R. Mansournia, S. Hydarzadeh, "Alumina-Supported Vanadyl Complexes as Catalysts for the C-H Bond Activation of Cyclohexene with *tert*-Butylhydroperoxide", *Journal of Molecular Catalysis A: Chemical*, Volume 221, Issues 1-2, 1 November 2004, Pages 169-175
48. M. Mazloum Ardakani, **M. Salavati-Niasari**, M. Jamshidpour, " Selective nitrate poly(vinylchloride) membrane electrode based on bis(2-hydroxyacetophenone)ethylenediimine vanadyl(IV)" *Sensors and Actuators* 101 (2004) 302
49. **M. Salavati-Niasari**, Zeolite-Encapsulated Nickel (II) Complexes with 14-Membered Hexaaza Macrocycle: Synthesis and Characterization, *Inorganic Chemistry Communication* Volume 7, Issue 8, August 2004, Pages 963-966.
50. M.R. Ganjali, M. R. Pourjavid, M. Rezapour, T. Poursaberi, A. Daftari, **M. Salavati-Niasari**, "Ruthenium(III) Schiff-base complex as novel chloride selective membrane sensor" *Electroanalysis* 16 (2004) 922.
51. M.R. Ganjali, P. Norouzi, M. Golmohammadi, M. Rezapour, **M. Salavati-Niasari** "Novel bromide pvc-based membrane sensor based on iron(III) salen" *Electroanalysis* 16 (2004) 910.
52. M. R. Ganjali, S. Shirvani-Arani, P. Norouzi, M. Golmohammadi, M. Rezapour, **M. Salavati-Niasari**, "Novel nitrate membrane sensor based on cobalt(II) salophen for selective monitoring of nitrite ions in biological samples" *Microchim Acta* 146 (2004) 35-41
53. M.R. Ganjali, R. Kiani-Anbouhi, M. Shamsipur, T. Poursaberi, **M. Salavati-Niasari**, Z. Talebpour, M. Emami, " Novel potentiometric pvc-membrane and coated graphite sensors for lanthanum(III), *Electroanalysis* 16 (2004) 1002.
54. **Masoud Salavati-Niasari**, Samansa Hydarzadeh, "An effective method for the selective synthesis of geminaldiacetates (acylals) from aromatic aldehydes using alumina-supported InCl₃" *Journal of Molecular Catalysis A: Chemical* 237 (2005) 254-258.

55. M. Mazloun Ardakani, **M. Salavati-Niasari**, P. Pourhakkak, "Highly selective coated-wire copper-selective electrode based on N,N-ethylenebis(*p*-*tert*-butylsalicylaldiminato)" *Bulletin of Electrochemistry*, Vol. 20, No. 5, May 2004, pp. 213-217.
56. M. Mazloun Ardakani, **M. Salavati-Niasari**, "Determination of chromate and dichromate by highly selective coated-wire electrode based on bis(acetylacetonato)copper(II)" *Bulletin of Electrochemistry*, Vol. 20, No. 5, May 2004, pp. 193-197.
57. M.R. Ganjali, M.R. Pourjavid, L. Haji Agha-Babaei, **M. Salavati-Niasari**, "Octadecyl silica membrane disks modified with a new Schiff-base for the preconcentration of lead and copper before their determination in water samples" *Annali di Chimica*, 94, 2004, 447.
58. M.R. Ganjali, M. Emami, M. Javanbakht, **M. Salavati-Niasari**, M. Shamsipur, M. Yousefi, "Novel triiodide ion-selective polymeric membrane sensor based on mercury-salen", *Sensors and Actuators B: Chemical*, Volume 105, Issue 2, 28 March 2005, Pages 127-131
59. M.R. Ganjali, A. Ghesmi, M. Hosseini, M.R. Pourjavid, M. Rezapour, M. Shamsipur, **M. Salavati-Niasari**, "Novel terbium(III) sensor based on a new bis-pyrrolidene Schiff's base" *Sensors and Actuators B: Chemical*, Volume 105, Issue 2, 28 March 2005, Pages 334-339
60. **Masoud Salavati-Niasari** "Nanoscale Microreactor -Encapsulation of 18-Membered Decaaza Macrocyclic Nickel(II) Complexes" *Inorganic Chemistry Communications*, 8 (2005) 174-177.
61. **Masoud Salavati-Niasari**, Tahereh Khosousi, Samana Hydarzadeh, "Highly selective esterification of *tert*-butanol by acetic acid anhydride over alumina-supported InCl₃, GaCl₃, FeCl₃, ZnCl₂, CuCl₂, NiCl₂, CoCl₂ and MnCl₂ catalysts" *Journal of Molecular Catalysis A: Chemical* 235 (2005) 150-153.
62. **Masoud Salavati-Niasari**, "Nanoscale Microreactor -Encapsulation 14-Membered Nickel(II) Hexamethyl Tetraaza: Synthesis, Characterization and Catalytic Activity" *Journal of Molecular Catalysis A: Chemical* 229(2005) 159-164.
63. M. R. Ganjali, J. Ravanshad, M. Hosseini, **M. Salavati-Niasari**, M. R. Pourjavid, M. R. Baezzat, "Novel Dy(III) sensor based on a new bis-pyrrolidene Schiff-base" *Electroanalysis* 2004, 16. No.21, 1771.
64. M.R. Ganjali, M. Hosseini, **M. Salavati-Niasari**, T. Poursaberi, M. Shamsipur, M. Javanbakht, O.R. Hashemi, "Nickel ion-selective coated graphite PVC-membered electrode based on benzylbis(thiosemicarbazone)" *Electroanalysis*, 2002, 14, No.7-8, 526.
65. M.R. Ganjali, T. Poursaberi, F. Basiripour, **M. Salavati-Niasari**, M. Yousefi, M. Shamsipur, "Highly selective thiocyanate poly(vinyl chloride) membrane electrode based on a cadmium-Schiff base complex" *Fresenius J Anal Chem* (2001) 370, 1091-1095.

66. **Masoud Salavati-Niasari**, "Nanodimensional Microreactor-encapsulation of 18-Membered Decaaza Macrocycle Copper(II) Complexes" *Chemistry Letters* 34 (2005) 244.
67. M. Mazloun Ardakani, M. Khayat Kashani, **M. Salavati-Niasari** and A.A. Ensafi, "Lead ion-selective electrode prepared by sol-gel and PVC membrane techniques" *Sensors and Actuators B* 107 (2005) 438-445
68. M. Mazloun Ardakani, A. Sadeghi and **M. Salavati-Niasari**, "Highly selective thiocyanate membrane electrode based on butane-2,3-dione bis(salicylhydrazonato)zinc(II) complex" *Talanta*, Volume 66, Issue 4, 15 May 2005, Pages 837-843
69. **Masoud Salavati-Niasari**, Samansa Hydarzadeh, Ahmad Amiri and Shahpour Salavati, "Manganese(III) bis(2-hydroxyanil)acetylacetonato complex as effective catalyst for acylation of alcohols, amines and phenols with acetic anhydride", *Journal of Molecular Catalysis A: Chemical*, Volume 231, Issues 1-2, 20 April 2005, Pages 191-195.
70. M.R. Ganjali, P. Matloobi, M. Ghorbani, P. Norouzi, **M. Salavati-Niasari**, "La(III) Selective Membrane Sensor Based on a New N-N Schiff's Base", *Bull. Korean Chem. Soc.* 2005, Vol. 26, No. 1, 38.
71. M. Mazloun-Ardekani, A. Dastanpour, **M. Salavati-Niasari**, "Novel Coated-Wire Membrane Sensor Based on Bis(Acetylacetonato) Cadmium(II) for the Determination of Chromate Ions" *Microchim Acta* 150, 67-72 (2005).
72. **Masoud Salavati-Niasari**, Mostafa Rezai-Adaryani and Samansa Heydarzadeh, "Copper(II) complexes with 18-membered decaazamacrocycles: synthesis, characterization and catalytic activity, *TRANSITION METAL CHEMISTRY*, 30 (4): 445-450 MAY, 2005
73. **Masoud Salavati-Niasari**, "Macrocyclic dioxadiaza from the reaction of the (1,8-diamino-3,6-dioxaoctane)copper(II) cation with formaldehyde and the carbon acids nitroethane or diethylmalonate", *Polyhedron*, Volume 24, Issue 12, 25 August 2005, Pages 1405-1409.
74. **Masoud Salavati-Niasari**, Ahmad Amiri, "Binuclear copper(II) complexes of new bis(macrocyclic) 16-membered pentaaza subunits are linked together by bridging nitrogen of amine: Synthesis, characterization and catalytic activity" *Journal of Molecular Catalysis A: Chemical* 235 (2005) 114-121.
75. **Masoud Salavati-Niasari**, Ahmad Amiri, "Synthesis and characterization of alumina-supported Mn(II), Co(II), Ni(II) and Cu(II) complexes of bis(salicylaldehydato)hydrazone as catalysts for oxidation of cyclohexene with tert-butylhydroperoxide" *Applied Catalysis A: General*, Volume 290, Issues 1-2, 18 August 2005, Pages 46-53.
76. **Masoud Salavati-Niasari**, Marzieh Hassani-Kabutarikhani, "Synthesis and Characterization of Nickel(II) Complexes with 18-Membered Decaaza Macrocycles 1,10-dialkyl-5,6,14,15-tetraphenyl-1,3,4,7,8,10,12,13,16,17-decaazacyclooctadecane" *SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY* 35 (6): 469-475 2005

77. Masoud Salavati-Niasari, Parinaz Salemi, Fatemeh Davar, "Oxidation of cyclohexene with *tert*-butylhydroperoxide and hydrogen peroxide catalyzed by Cu(II), Ni(II), Co(II) and Mn(II) complexes of N,N-bis-(*m*-methylsalicylidene)-2,2-dimethylpropane-1,3-diamine, supported on alumina" *Journal of Molecular catalysis A: Chemical* 238 (2005) 215-222.

78. Masoud Salavati-Niasari, Ahmad Amiri, "Template syntheses involving the carbon acid nitroethane. Synthesis and characterization of copper(II) complexes of a 16-membered tetraaza macrocycle", *Transition Metal Chemistry* (2005) 30:720–725.

79. Masoud Salavati-Niasari, Synthesis and Characterization of Host (Nanodimensional Pores of Zeolite-Y)–Guest [Unsaturated 16-Membered Octaaza–macrocycle Manganese(II), Cobalt(II), Nickel(II), Copper(II), and Zinc(II) Complexes] *Nanocomposite Materials*, *Chemistry Letters*, Vol. 34 (2005), No. 10 p.1444.

80. Masoud Salavati-Niasari, "Host (nanocavity of zeolite Y)–guest (tetraaza[14]annulene copper(II) complexes) *nanocomposite materials* : synthesis, characterization and liquid phase oxidation of benzyl alcohol" *Journal of Molecular Catalysis A: Chemical* 245 (2006) 192–199

81. Masoud Salavati-Niasari, Ahmad Amiri "Synthesis and characterization of bis(macrocyclic) nickel(II) complexes containing aromatic nitrogen-nitrogen linkers produced by template condensation reaction", *Transition Metal Chemistry* (2006) 31:157–162

82. Masoud Salavati-Niasari, Fatemeh Davar, "In-situ one-pot template synthesis (IOPTS) and characterization of copper(II) complexes of 14-membered hexaaza macrocyclic ligand "3,10-dialkyl-dibenzo-1,3,5,8,10,12-hexaazacyclotetradecane" *Inorganic Chemistry Communications*, 9 (2005) 175–179.

83. Ganjali M.R, Babaei L.H, Norouzi P, Pourjavid M.R, Badiei A, Saberyan K, Maragheh M.G, Salavati-Niasari M, Ziarani G.M, "Novel method for the fast separation and purification of molybdenum(VI) from fission products of uranium with aminofunctionalized mesoporous molecular sieves (AMMS) modified by dicyclohexyl-18-crown-6 and S-N tetradentate Schiff's base", *ANALYTICAL LETTERS* 38 (11): 1813-1821 2005.

84. Masoud Salavati-Niasari, Fatemeh Davar, "Host (nanodimensional pores of zeolite Y)-Guest (3,10-dialkyl-dibenzo-1,3,5,8,10,12-hexaazacyclotetradecane, $[\text{Ni}(\text{R}_2\text{Bzo}_2[14]\text{aneN}_6)]^{2+}$) *Nanocomposite Materials* : Synthesis, Characterization and Catalytic Oxidation of Cyclohexene" *Inorganic Chemistry Communications*, 9 (2006) 263-268

85. M. R. Ganjali, M. Rezapour, P. Norouzi, M. Salavati-Niasari, "A New Pentadentate S-N Schiff's-Base as a Novel Ionophore in Construction of a Novel Gd(III) Membrane Sensor", *Electroanalysis* 17, 2005, No. 22, 2032-2036.

86. Masoud Salavati-Niasari, Fatemeh Davar, Synthesis, characterization and catalytic activity of copper(II) complexes of 14-membered macrocyclic ligand; 3,10-dialkyl-dibenzo-1,3,5,8,10,12-hexaazacyclotetradecane/zeolite encapsulated nanocomposite materials, *Inorganic Chemistry Communications*, Volume 9, Issue 3, March 2006, Pages 304-309.

87. Masoud Salavati-Niasari, Mehdi Bazarganipour, "Host (nanodimensional pores of zeolite Y)-guest (tetraaza[14]annulene nickel(II) complexes, [Ni(Me₄R₂Bzo[14]tetraeneN₄)] nanocomposite materials: Ship-in-a-bottle synthesis, characterization and liquid phase oxidation of phenol with hydrogen peroxide, *Catalysis Communications*, Volume 7, Issue 6, June 2006, Pages 336-343

88. M.R. Ganjali, P. Norouzi, S. Shirvani-Arani, **M. Salavati-Niasari**, Novel triiodide PVC-based membrane sensor based on a charge transfer complex of iodine and bis(2-hydroxyacetophenone)butane-2,3-dihydrazone, *Bull. Korean Chem. Soc.* 26 (2005) 1738.

89. Masoud Salavati-Niasari, Fatemeh Davar, "Synthesis and Characterization of Nickel(II) Complexes of 14-Membered Hexaaza Macrocyclic Ligand "3,10-dialkyl-dibenzo-1,3,5,8,10,12-hexaazacyclotetradecane" Produced by In-situ One-Pot Template Reaction of Formaldehyde and 1,2-Phenylenediamine with Alkyl or Benzyl Amine in the Presence of Nickel(II) Ion" *Polyhedron* 25 (2006) 2127-2134

90. Masoud Salavati-Niasari, Mehdi Bazarganipour, "Bis(macrocyclic) Copper(II) Complexes Containing Aromatic Nitrogen-Nitrogen Linkers Produced by In-situ One Pot Template Condensation Reaction (IOPTCR): Synthesis, Characterization and Catalytic Oxidation of Tetrahydrofuran", *Inorganic Chemistry Communications*, Volume 9, Issue 3, March 2006, Pages 332-336.

91. Masoud Salavati-Niasari. Nanoscale Microreactor -Encapsulation of 16-Membered Hexaaza Macrocyclic Nickel(II) Complexes: In-situ One-Pot Template Synthesis (IOPTS), Characterization and Catalytic Activity" *Microporous and Mesoporous Materials*, 92 (2006) 173-180.

92. Masoud Salavati-Niasari, "Oxidation of tetrahydrofuran with hydrogen peroxide in the presence of Host (zeolite Y)/Guest (1,9-dialkyl-1,3,7,9,11,15-hexaazacyclohexadecane copper(II) complexes, [Cu(R₂[16]aneN₆)]²⁺) Nanocomposite Materials (HGNM)", *Inorganic Chemistry Communications*, Volume 9, Issue 6, June 2006, Pages 628-633

93. F. Shemirani, M.R. Jamali, R.R. Kozani, **M. Salavati-Niasari**, "Highly selective cloud point extraction and preconcentration of trace amounts of silver in water samples using synthesized Schiff's base followed by flame atomic absorption spectrometric-determination" *JOURNAL OF ANALYTICAL CHEMISTRY* 61 (2): 124-128 FEB 2006.

94. Mohammad Reza Ganjali, Parviz Norouzi, Mahnaz Ghomi, **Masoud Salavati-Niasari**, "Highly Selective and Sensitive Monohydrogen Phosphate Membrane Sensor Based on Molybdenum Acetylacetonate" *Analytica Chimica Acta*, *Analytica Chimica Acta*, Volume 567, Issue 2, 17 May 2006, Pages 196-201

95. Mohammad Reza Ganjali, Parviz Norouzi, Farnoush Faridbod, Mohammad Yousefi, Leila Naji and **MasoudSalavati-Niasari**, "Perchlorate-selective membrane sensors based on two nickel-hexaazamacrocyclic complexes" *Sensors and Actuators B: Chemical*, Volume 120, Issue 2, 10 January 2007, Pages 494-499.

96. **Masoud Salavati-Niasari**, Marzieh Hassani-Kabutarikhani, Fatemeh Davar, "Alumina-Supported Mn(II), Co(II), Ni(II) and Cu(II) N,N-Bis(salicylidene)-2,2-dimethylpropane-1,3-diamine Complexes: Synthesis, Characterization and Catalytic Oxidation of Cyclohexene with *tert*-Butylhydroperoxide and hydrogen peroxide", *Catalysis Communications*, Volume 7, Issue 12, December 2006, Pages 955-962

97. Mohammad Reza Ganjali, Parviz Norouzi, Azadeh Daftari, Farnoush Faridbod and **MasoudSalavati-Niasari**, "Fabrication of a highly selective Eu(III) membrane sensor based on a new S-N hexadentate Schiff's base" *Sensors and Actuators B: Chemical*, Volume 120, Issue 2, 10 January 2007, Pages 673-678.

98. Mohammad Mazloun-Ardakani, Poursan Pourhakak, and **MasoudSalavati-Niasari**, "Bis(2-hydroxyacetophenone)ethylenediimine as a neutral carrier in a coated-wire membrane electrode for Lead(II)", *Analytical Sciences*, 2006, 22(6), 865.

99. Mohammad Reza Ganjali, Leila HajiaghaBabaei, AlirezaBadiei and Kamal Saberian, SeiedmahmoudrezaBehbahani, GhodsiMohammadiZiarani, **MasoudSalavati-Niasari**, "A NOVEL METHOD FOR FAST ENRICHMENT AND MONITORING OF HEXAVALENT AND TRIVALENT CHROMIUM AT THE PPT LEVEL WITH MODIFIED SILICA MCM-41 AND ITS DETERMINATION BY INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROMETRY" *Quim. Nova*, Vol. 29, No. 3, 440-443, 2006.

100. **Masoud Salavati-Niasari**, "Ship-in-a-bottle synthesis, characterization and catalytic oxidation of styrene by Host (Nanopores of Zeolite-Y)/Guest ([Bis(2-hydroxyanil) acetylacetonato manganese(III)]) *Nanocomposite Materials (HGNM)*" *Microporous and Mesoporous Materials*, Volume 95, Issues 1-3, 18 October 2006, Pages 248-256.

101. Ganjali MR, Shirvani-Arani S, Bidhendi GN, Norouzi P, **Salavati-Niasari M** "Highly selective and sensitive triiodide PVC-membrane electrode based on a new charge-transfer complex of bis(2,4-dimethoxybenzaldehyde)butane-2,3-dihydrazone with iodine", *JOURNAL OF THE CHINESE CHEMICAL SOCIETY* 53 (2): 275-281 APR 2006.

102. **Masoud Salavati-Niasari**, Elham Zamani, Mohammad Reza Ganjali, Parviz Norouzi, "Synthesis, characterization and liquid phase oxidation of cyclohexanol using *tert*-butylhydroperoxide over Host (zeolite Y)/Guest (copper(II) complexes of 12- and 13-membered diaza dioxo Schiff-base macrocyclic ligand) *Nanocomposite Materials (HGNM)*", *Journal of Molecular Catalysis A: Chemical*, Volume 261, Issue 2, 18 January 2007, Pages 196-201.

103. M.R. Ganjali, P. Norouzi, N. Hatambeygi, **M. Salavati-Niasari**, Anion Recognition: Fabrication of a Highly Selective and Sensitive HPO_4^{2-} PVC Sensor Based on a Oxo-Molybdenum Methyl-Salen, *J. Braz. Chem. Soc.*, Vol. 17, No.5, 859-865, 2006.

104. Mohammad MazlounArdakani, SeyedHasanMirhoseini, **Masoud Salavati-Niasari**, Copper Selective Electrode Based on 1,8-bis(2-Hydroxynaphthaldiminato) 3,6-Dioxa Octane, *ActaChim. Slov.* **2006**, 53, 197-203.

105. **Masoud Salavati-Niasari**, Shirin Shafaie-Arani, Mohammad Reza Ganjali and Parviz Norouzi, Synthesis, characterization and catalytic oxidation of cyclohexene with molecular oxygen over Host (zeolite-Y)/Guest (nickel(II) complexes of $\text{R}_2[12]1,3\text{-dieneN}_2\text{O}_2$ and $\text{R}_2[13]1,4\text{-dieneN}_2\text{O}_2$; R = H, Me, Ph) **Nanocatalyst** (HGN), *Transition Metal Chemistry* 31 (2006) 964–969

106. **Masoud Salavati-Niasari**, Mohammad Reza Ganjali and Parviz Norouzi, Host (nanocavity of zeolite Y)/Guest (Co(II), Ni(II) and Cu(II) complexes of unsaturated 16-membered octaaza; 3,4,11,12-tetramethyl-1,2,5,6,9,10,13,14-octaazacyclohexadecane; $\text{Me}_4[16]\text{aneN}_8$) **Nanocomposite Materials** (HGNM): template synthesis, characterization and catalytic oxidation of benzyl alcohol, *TRANSITION METAL CHEMISTRY*, 32 (2007) 1.

107. M. MazlounArdakani, M.H. Mashhadizadeh, M.A. Karimi, F. Iranpoor, M.S. Azimi, and **M.Salavati-Niasari**, "Highly selective and sensitive membrane electrode for salicylate based on complex of 1,8-bis(salicylaldiminato)-3,6-dioxaoctane copper" *Canadian Journal of Analytical Sciences and Spectroscopy*, Volume 51, No. 6, 2006, 323-333

108. Mohammad Reza Jamali, Yaghoub Assadi, Farzaneh Shemirani, Mohammad Reza Milani Hosseini, Reyhaneh Rahnama Kozani, Majid Masteri-Farahani and **MasoudSalavati-Niasari**, Synthesis of salicylaldehyde-modified mesoporous silica and its application as a new sorbent for separation, preconcentration and determination of uranium by inductively coupled plasma atomic emissionspectrometry, *Analytica Chimica Acta*, Volume 579, Issue 1, 2 October 2006, Pages 68-73.

109. **MasoudSalavati-Niasari**, Maryam Shaterian, Mohammad Reza Ganjali, Parviz Norouzi, "Oxidation of cyclohexene with *tert*-butylhydroperoxide catalyzed by Host (nanocavity of zeolite-Y)/Guest (Mn(II), Co(II), Ni(II) and Cu(II) complexes of N,N -bis(salicylidene)phenylene-1,3-diamine) **Nanocomposite Materials** (HGNM)" *Journal of Molecular Catalysis A: Chemical*, Volume 261, Issue 2, 18 January 2007, Pages 147-155

110. Farzaneh Shemirani, Mohammad Reza Jamali, and Reyhaneh Rahnama Kozani, **MasoodSalavati-Niasari**, Cloud Point Extraction and Preconcentration for the Determination of Cu and Ni in Natural Water by Flame Atomic Absorption Spectrometry Cloud Point Extraction and Preconcentration for the Determination of Cu and Ni in Natural Water by Flame Atomic Absorption Spectrometry" *SEPARATION SCIENCE AND TECHNOLOGY* 41 (13): 3065-3077 2006.

111. Mohammad Reza Jamali, Yaghoub Assadi, Farzaneh Shemirani, **MasoudSalavati-Niasari**, "Application of thiophene-2-carbaldehyde-modified mesoporous silica as a new sorbent for separation and preconcentration of palladium prior to inductively coupled plasma atomic emission spectrometric determination" *Talanta*, Volume 71, Issue 4, 15 March 2007, Pages 1524-1529.

112. **MasoudSalavati-Niasari**, Mehdi Bazarganipour, Mohammad Reza Ganjali, Parviz Norouzi, Bis(macrocyclic)dinickel(II) complexes containing phenylene bridges between 13-membered triaza dioxo macrocyclic ligand: In-situ one pot template synthesis, characterization and catalytic oxidation of cyclohexene; *TRANSITION METAL CHEMISTRY*,32 (2007) 9.

113. Ahmad Rouhollahi, Ehsan Zolfonoun, **MasoudSalavati-Niasari**, "Effect of anionic surfactant on transport of copper (II) through liquid membrane containing a new synthesis Schiff base, Separation and Purification Technology, Volume 54, Issue 1, 15 March 2007, Pages 28-33

114. **MasoudSalavati-Niasari**, Synthesis, characterization and catalytic oxidation of cyclohexene with molecular oxygen over Host (montmorillonite-K10)/Guest (nickel(II) complexes of 12- and 13-membered diaza dioxo Schiff-base macrocyclic ligand) Nanocatalyst (HGN)" *Journal of Molecular Catalysis A: Chemical*, Volume 263, Issues 1-2, 14 February 2007, Pages 247-252.

115. **MasoudSalavati-Niasari**, Mohammad Reza Ganjali, Parviz Norouzi, Host (Nanopores of Zeolite Y)-Guest (Oxovanadium(IV) Tetradentate Schiff-base Complexes) *Nanocomposite Materials: Synthesis, Characterization and Liquid Phase Hydroxylation of Phenol with Hydrogen peroxide*, *J Porous Mater* (2007) 14:423-432

116. M. R. Ganjali, P. Norouzi, M. Qomi, **M. Salavati-Niasari**, "Charge-transfer complex between iodine and a new Schiff's base as anion-carrier in construction of a highly selective triiodide PVC-based membrane electrode", *Canadian Journal of Analytical Sciences and Spectroscopy*, Volume 51, No. 2, 2006, 108-116.

117. Parviz Norouzi, Mohammad Reza Ganjali, Farnoush Faridbod, and **MasoudSalavati-Niasari**, "Determination of Copper in Black, Red Pepper and the Waste Water Samples by a Highly Selective Sensitive Cu(II) Microelectrode Based on a New Hexadentate Schiff's Base", *Bull. Korean Chem. Soc.* 2006, Vol. 27, No. 9, 1439.

118. **MasoudSalavati-Niasari**, Seyed Nezamoddin Mirsattari "Synthesis, Characterization and Catalytic Oxyfunctionalization of Cyclohexene with tert-Butylhydroperoxide and Hydrogen peroxide in the Presence of Alumina-Supported Mn(II), Co(II), Ni(II) and Cu(II) Bis(2-hydroxyanil)benzil Complexes", *Journal of Molecular Catalysis A: Chemical*, Volume 268, Issues 1-2, 1 May 2007, Pages 50-58

119. Mojtaba Shamsipur, Omid Reza Hashemi, **Masoud Salavati-Niasari**, "Selective Flotation-Separation and Inductively Coupled Plasma-Atomic Emission Spectrometric Determination of Ultra Trace

Amounts of Silver Ion Using Bis(2-mercaptoanil)acetylacetone" SEPARATION SCIENCE AND TECHNOLOGY 42 (3): 567-578 2007

120. Masoud Salavati-Niasari, Elham Zamani, Mehdi Bazarganipour, Epoxidation of cyclohexene with K10-montmorillonite and Schiff-base macrocyclic copper complexes, Applied Clay Science 38 (2007) 9–16

121. M. R. Ganjali, P. Norouzi, T. Alizadeh, **M. Salavati-Niasari**, "Synthesis of a New Hexadentates Schiff's Base and Its Application in the Fabrication of a Highly Selective Mercury(II) Sensor" Bull. Korean Chem. Soc. 2007, Vol. 28, No. 1, 68-72.

122. Ganjali, M. R.; Norouzi, P.; Faridbod, F.; Riahi, S.; Ravanshad, J.; Tashkhourian, J.; **Salavati-Niasari, M.**; Javaheri, M. "Determination of Vanadyl Ions by a New PVC Membrane Sensor Based on N, N'-bis-(Salicylidene)-2,2-Dimethylpropane-1,3-Diamine" Sensors Journal, IEEE, Volume 7, Issue 4, April 2007 Page(s):544 – 550.

123. Masoud Salavati-Niasari "Selective oxidation of cyclohexene to di-2-cyclohexenylether by Host (nanocavity of zeolite-Y)/Guest (manganese(II) complexes with 12- and 14-membered tetraazabicyclic tetraone macrocyclic complexes) Nanocomposite Materials (HGNM)". Journal of Molecular Catalysis A: Chemical, Volume 272, Issues 1-2, 2 July 2007, Pages 249-257

124. Masoud Salavati-Niasari, Noshin Mir, "Synthesis, Characterization and Catalytic Oxidation of Tetrahydrofuran with 16-Membered Pentaazabis(macrocylic) Copper(II) Complexes; {[Cu([16]aneN₅)]₂R}₄⁺ (R = Aromatic Nitrogen-Nitrogen Linkers)" J Incl Phenom Macrocycl Chem (2007) 59:223–230

125. Masoud Salavati-Niasari, "16-Membered pentaaza bis(macrocylic) nickel(II) complexes containing aromatic nitrogen-nitrogen linkers, {[Ni([16]aneN₅)]₂R}(ClO₄)₄: synthesis, characterization and catalytic oxidation of cyclohexene with molecular oxygen" Journal of Molecular Catalysis A: Chemical, Volume 272, Issues 1-2, 2 July 2007, Pages 207-212.

126. Ganjali, M.R.; Gholivand, M.B.; Rahimi-Nasrabadi, M.; Maddah, B.; **Salavati-Niasari, M.**; Ahmadi, F., "Synthesis of a New Octadentates Schiff's Base and Its Application in Construction of a Highly Selective and Sensitive Lanthanum (III) Membrane Sensor" Sensor Letters, Volume 4, Number 4, December 2006, pp. 356-363(8).

127. Masoud Salavati-Niasari, Hassan Babazadeh-Arani, "Cyclohexene oxidation with tert-butylhydroperoxide and hydrogen peroxide catalyzed by new square-planar manganese(II), cobalt(II), nickel(II) and copper(II) bis(2-mercaptoanil)benzil complexes supported on alumina" Journal of Molecular Catalysis A: Chemical, Volume 274, Issues 1-2, 3 September 2007, Pages 58-64.

128. M.B. Gholivand, M. Rahimi-Nasrabadi, M.R. Ganjali and **M. Salavati-Niasari**, Highly selective and sensitive copper Membrane electrode based on a new synthesized Schiff base, Talanta, Volume 73, Issue 3, 30 September 2007, Pages 553-560

129. Masoud Salavati-Niasari, Maryam Shaterian, Host (nanocavity of zeolite-Y)/Guest (Mn(II), Co(II), Ni(II) and Cu(II) complexes of pentadendate Schiff-base ligand) **Nanocomposite Materials** (HGNM),: Application in the heterogeneous oxidation of cyclohexene" J Porous Mater (2008) 15:581–588

130. M. Mazloun Ardakani, P. Pourhakkak and **M. Salavati-Niasari**, "Potentiometric Coated Wire Electrode for Salicylate based on Zinc(II) Acetylacetonate" J. Braz. Chem. Soc., Vol. 18, No. 4, 782-788, 2007.

131. Masoud Salavati-Niasari, Fatemeh Davar, Mehdi Mazaheri, Maryam Shaterian, "Preparation of cobalt nanoparticles from [bis(salicylidene)cobalt(II)]-oleylamine complex by thermal decomposition"; Journal of Magnetism and Magnetic Materials, Volume 320, Issues 3-4, February 2008, Pages 575-578

132. Masoud Salavati-Niasari, "Synthesis, characterization and catalytic epoxidation of styrene using molecular oxygen over "neat" and host-guest **nanocomposite materials**" Journal of Molecular Catalysis A: Chemical 278 (2007) 22–28.

133. Masoud Salavati-Niasari, Mehdi Bazarganipour, "Effect of **single-wall carbon nanotubes** on direct epoxidation of cyclohexene catalyzed by new derivatives of cis-dioxomolybdenum(VI) complexes with bis-bidentate Schiff-base containing aromatic nitrogen-nitrogen linkers" Journal of Molecular Catalysis A: Chemical 278 (2007) 173–180.

134. Masoud Salavati-Niasari, Shahrzad Abdolmohammadi; "Host (nanocavity of zeolite-Y)/guest (12- and 14-membered azamacrocyclic Ni(II) complexes) **nanocatalyst**: synthesis, characterization and catalytic oxidation of cyclohexene with molecular oxygen" J Incl Phenom Macrocycl Chem (2008) 60:145–152

135. Masoud Salavati-Niasari, Shahrzad Abdolmohammadi, "Synthesis, characterization and catalytic oxidation of ethylbenzene over "neat" and Host (nanocavity of zeolite-Y)/Guest (tetraaza tetraone macrocyclic copper(II) complexes) **Nanocomposite Materials** (HGNM)" Journal of Porous Materials, Volume 16, Number 1 / February, 2009, 19-26.

136. M. Behpour, S.M. Ghoreishi, **M. Salavati-Niasari**, B. Ebrahimi "Evaluating two new synthesized S–N Schiff bases on the corrosion of copper in 15% hydrochloric acid" Materials Chemistry and Physics 107 (2008) 153-157.

137. Masoud Salavati-Niasari, Fatemeh Davar, Mehdi Mazaheri, "Preparation of ZnO nanoparticles from [bis(acetylacetonato)zinc(II)]-oleylamine complex by thermal decomposition" Materials Letters 62 (2008) 1890–1892

138. M. Rahimi-Nasrabadi, M.R. Ganjali, M.B. Gholivand, F. Ahmadi, P. Norouzi and **M. Salavati-Niasari**, "A cyclic voltammetry investigation of the complex formation between Cu^{2+} and some Schiff bases in binary acetonitrile/dimethylformamide mixtures" *Journal of Molecular Structure* 885 (2008) 76–81

139. Masoud Salavati-Niasari, SHAHRZAD ABDOLMOHAMMADI, MOHSEN OFTADEH, Host (nanopores of zeolite-Y)/guest (Co(II)-azamacrocyclic complexes) **nanocomposite materials**: synthesis, characterization and catalytic epoxidation of styrene with molecular oxygen" *Journal of Coordination Chemistry*, Volume 61, Issue 17 2008, pages 2837 – 2851.

140. Masoud Salavati-Niasari, "Host (nanocage of zeolite-Y)/guest (manganese(II), cobalt(II), nickel(II) and copper(II) complexes of 12-membered macrocyclic Schiff-base ligand derived from thiosemicarbazide and glyoxal) **nanocomposite materials**: Synthesis, characterization and catalytic oxidation of cyclohexene" *Journal of Molecular Catalysis A: Chemical* 283 (2008) 120–128

141. Masoud Salavati-Niasari, Azam Sobhani, "Ship-in-a-bottle synthesis, characterization and catalytic oxidation of cyclohexane by Host (nanopores of zeolite-Y)/guest (Mn(II), Co(II), Ni(II) and Cu(II) complexes of bis(salicylaldehyde)oxaloyldihydrazone) **nanocomposite materials**" *Journal of Molecular Catalysis A: Chemical* 285 (2008) 58–67.

142. Masoud Salavati-Niasari, "Host (nanocavity of zeolite-Y)/guest ($[\text{Cu}(\text{R})_2\text{-N}_2\text{X}_2]^{2+}$ (R = H, CH_3 ; X = NH, O, S) **nanocomposite materials**: Synthesis, characterization and catalytic oxidation of ethylbenzene" *Journal of Molecular Catalysis A: Chemical* 284 (2008) 97–107

143. Masoud Salavati-Niasari, "Host (nanopores of zeolite-Y)/guest [manganese(II) with 12-membered tetradentate N_2O_2 , N_2S_2 and N_4 donor macrocyclic ligands] **nanocatalysts**: Flexible ligand synthesis, characterization and catalytic activity" *TRANSITION METAL CHEMISTRY* Volume: 33 Issue: 4 Pages: 443–452 Published: 2008

144. Kamal Saberyan, Mojtaba Shamsipur, Ehsan Zolfonoun, and **Masoud Salavati-Niasari**, "Liquid-liquid Distribution of the Tetravalent Zirconium, Hafnium and Thorium with a New Tetradentate Naphthol-derivative Schiff Base; *Bull. Korean Chem. Soc.* 2008, Vol. 29, No. 1 . Pag. 94

145. Masoud Salavati-Niasari, Fatemeh Davar, Mehdi Mazaheri, "Synthesis, characterization and magnetic properties of NiS_{1+x} **nanocrystals** from [Bis(salicylidene)nickel(II)] as new precursor" *Materials Research Bulletin*, Volume 44, Issue 12, December 2009, Pages 2246–2251.

146. Masoud Salavati-Niasari, Fatemeh Davar, Mehdi Mazaheri, "Synthesis and characterization of **ZnS nanoclusters** via hydrothermal processing from [bis(salicylidene)zinc(II)]" *Journal of Alloys and Compounds*, Volume 470, Issues 1–2, 20 February 2009, Pages 502–506.

147. Masoud Salavati-Niasari, Maryam Shakouri-Arani, Fatemeh Davar, "Flexible ligand synthesis, characterization and catalytic oxidation of cyclohexane with host (nanocavity of zeolite-Y)/guest (Mn(II),

Co(II), Ni(II) and Cu(II) complexes of tetrahydro-salophen) nanocomposite materials", Microporous and Mesoporous Materials, Volume 116, Issues 1-3, December 2008, Pages 77-85.

148. Masoud Salavati-Niasari, "Host (nanopores of zeolite-Y)/guest (Ni(II)-tetraoxo dithia tetraaza macrocyclic complexes) nanocomposite materials: template synthesis and characterization" Journal of Inclusion Phenomena and Macrocyclic Chemistry, Springer Netherlands, 11.04.2008, Vol. 62, No. 1, pp. 65-73

149. Masoud Salavati-Niasari, Fatemeh Davar, Mehdi Mazaheri, "Synthesis of Mn₃O₄ nanoparticles by thermal decomposition of [bis(salicylidiminato)manganese(II)] complex" Polyhedron, Volume 27, Issue 17, 25 November 2008, Pages 3467-3471

150. SH. DEGHAN ABKENAR, M. HOSSEINI, Masoud Salavati-Niasari, "Cloud Point Extraction and Preconcentration of Silver and Cadmium Using Schiff Base Prior to Flame Atomic Absorption Spectrometric Determination", Asian Journal of Chemistry Vol. 20, No. 6 (2008), 4291-4300

151. Masoud Salavati-Niasari, Mehdi Bazarganipour, "Synthesis, characterization and catalytic epoxidation of cyclohexene using dimeric *cis*-dioxomolybdenum(VI) bis-bidentate Schiff base complexes supported on single wall carbon nanotubes" Transition Metal Chemistry, Springer Netherlands, 22.05.2008, vol. 33, no. 6, pp. 751-757

152. M. Mazloun Ardakani, F. Iranpoor, M. A. Karimi, M. Salavati-Niasari, "A New Selective Membrane Electrode for Oxalate Based on N,N'-Bis(salicylidene)-2,2-dimethylpropane-1,3-diamine Ni(II)" Bull. Korean Chem. Soc. 2008, Vol. 29, No. 2, 398.

153. Masoud Salavati-Niasari, Synthesis, characterization and catalytic oxidation of cyclohexene with molecular oxygen over host (nanopores of zeolite-Y)/guest ([Ni([R]₂-N₂X₂)]²⁺ (R = H, CH₃; X = NH, O, S) nanocatalyst" Journal of Coordination Chemistry Volume 62, Issue 6 January 2009, pages 980 - 995

154. Masoud Salavati-Niasari, Synthesis, characterization and catalytic oxidation of cyclohexene with molecular oxygen with host (nanopores of zeolite-Y)/guest (Ni(II) complexes of 14- and 16-membered tetraaza dioxo diphenyl macrocyclic ligands) nanocomposite materials; Polyhedron, Volume 27, Issue 14, 29 September 2008, Pages 3132-3140

155. M. Behpour, S.M. Ghoreishi, N. Soltani, M. Salavati-Niasari, M. Hamadani, A. Gandomi "Electrochemical and theoretical investigation on the corrosion inhibition of mild steel by thiosalicylaldehyd derivatives in hydrochloric acid solution" Corrosion Science, Volume 50, Issue 8, August 2008, Pages 2172-2181

156. Masoud Salavati-Niasari, "Template synthesis and characterization of host (nanopores of zeolite-Y)/guest (Co(II)-tetraoxo dithia tetraaza macrocyclic complexes) **nanocomposite materials**" Polyhedron, Volume 27, Issue 15, 17 October 2008, Pages 3207-3214.

157. Z. Taleat, M. Mazloun Ardakani, H. Beitollahi, **M. Salavati-Niasari**, B.B.F. Mirjalili, N. Taghavinia; "Electrocatalytic Oxidation and Nanomolar Determination of Guanine on the Surface of Molybdenum (VI) complex-TiO₂ Nanoparticle-Modified Carbon Paste Electrode" Journal of Electroanalytical Chemistry, Volume 624, Issues 1-2, 1 December 2008, Pages 73-78

158. Masoud Salavati-Niasari, Mohammad Reza Loghman-Estarki, Fatemeh Davar, Controllable synthesis of wurtzite **ZnS nanorods** through simple hydrothermal method in the presence of thioglycolic acid; Journal of Alloys and Compounds, Volume 475, Issues 1-2, 5 May 2009, Pages 782-788.

159. Masoud Salavati-Niasari, Fatemeh Davar, Noshin Mir, "Synthesis and characterization of metallic **copper nanoparticles** via thermal decomposition" Polyhedron, Volume 27, Issue 17, 25 November 2008, Pages 3514-3518

160. Masoud Salavati-Niasari, Seyed Nezamoddin Mirsattari, Mehdi Bazarganipour, Synthesis, characterization and catalytic oxyfunctionalization of cyclohexene with *tert*-butylhydroperoxide over manganese(II) complex covalently anchored to **Multi-Wall carbon Nanotubes (MWNTs)** ,.Polyhedron, Volume 27, Issue 18, 12 December 2008, Pages 3653-3661

161. Masoud Salavati-Niasari, Mohammad Reza Loghman-Estarki, Fatemeh Davar, Controllable synthesis of **nanocrystalline CdS** with different morphologies by hydrothermal process in the presence of thioglycolic acid, Chemical Engineering Journal, Volume 145, Issue 2, 15 December 2008, Pages 346-350.

162. Masoud Salavati-Niasari, Mehdi Bazarganipour, Covalent functionalization of **Multi-Wall carbon Nanotubes (MWNTs)** by nickel(II) Schiff-base complex: synthesis, characterization and liquid phase oxidation of phenol with hydrogen peroxide, Applied Surface Science 255 (2008) 2963–2970

163. Masoud Salavati-Niasari, Zeinab Fereshteh, Fatemeh Davar, Synthesis of oleylamine capped **copper nanocrystals** via thermal reduction of new precursor, Polyhedron, Volume 28, Issue 1, 14 January 2009, Pages 126-130

164. Masoud Salavati-Niasari, Synthesis, characterization and liquid phase hydroxylation of phenol with hydrogen peroxide over host (nanopores of zeolite-Y)/guest (oxovanadium(IV) complexes of tetraaza macrocyclic ligands) **nanocatalyst** Inorganica Chimica Acta, Volume 362, Issue 7, 15 May 2009, Pages 2159-2166

165. Fatemeh Davar, Zeinab Fereshteh, **Masoud Salavati-Niasari**, Nanoparticles Ni and NiO: synthesis, characterization and magnetic properties, Journal of Alloys and Compounds, Volume 476, Issues 1-2, 12 May 2009, Pages 797-801

166. H.A. Zamani, M.R. Ganjali, **M. Salavati-Niasari**, Fabrication of an iron(III)-selective PVC membrane sensor based on a bis-bidentate Schiff base ionophore, Transition Met Chem (2008) 33:995-1001, DOI 10.1007/s11243-008-9142-3. Volume 33, Number 8 / November, 2008

167. **Masoud Salavati-Niasari**, Fatemeh Davar, Zeinab Fereshteh, Synthesis and characterization of ZnO nanocrystals from thermolysis of new precursor, Chemical Engineering Journal, Volume 146, Issue 3, 15 February 2009, Pages 498-502

168. **Masoud Salavati-Niasari**, Noshin Mir, Fatemeh Davar, ZnO nanotriangles: Synthesis, characterization and optical properties, Journal of Alloys and Compounds, Volume 476, Issues 1-2, 12 May 2009, Pages 908-912.

169. **Masoud Salavati-Niasari**, Fatemeh Davar, nanocrystals by thermal decomposition of a new precursor" Materials Letters, Volume 63, Issues 3-4, 15 February 2009, Pages 441-443

170. M. Mazloun Ardakani, M.H. Mashhadizadeh Ardakani, M.A. Karimi, M.S. Azimi, F. Iranpoor and **M. Salavati-Niasari** "Potentiometric Membrane Electrode for Determination of Nitrate Based on 1,8-Bis(salicylaldiminato)-3,6-Dioxaoctane Ni(II) Complex" Chem. Anal. (Warsaw), 53, 17 (2008)

171. M. Mazloun Ardakani, A. Sadeghi and **M. Salavati-Niasari** "Potentiometric Chromate Quantitation Based on Interaction with N, N' Butylen Bis (Salicyliden Iminato) Copper (II)" Scientia Iranica, Vol. 15, No. 4, pp 444-451, Sharif University of Technology, August 2008

172. **Masoud Salavati-Niasari**, Seyed Nezamodin Mirsattari, Kamal Saberyan, Template Synthesis and Characterization of Host (nanocavity of zeolite Y)-guest $[\text{Cu}([\text{18}] \text{aneN}_4\text{S}_2)]^{2+}$, $[\text{Cu}([\text{20}] \text{aneN}_4\text{S}_2)]^{2+}$, $[\text{Cu}(\text{Bzo}_2[\text{18}] \text{aneN}_4\text{S}_2)]^{2+}$, $[\text{Cu}(\text{Bzo}_2[\text{20}] \text{aneN}_4\text{S}_2)]^{2+}$ Nanocomposite Materials", Bull. Korean Chem. Soc. 2009, Vol. 30, No. 2, 348

173. M. Mazloun-Ardakani, M. A. Sheikh Mohseni, **M. Salavati-Niasari**, Novel thiocyanate-selective electrode based on binuclear molybdenum complex of bis-N,O-bidentate Schiff base" Canadian Journal of Analytical Sciences and Spectroscopy Volume 53, No. 4, 2008, 179.

174. **Masoud Salavati-Niasari**, Mehdi Bazarganipour, Synthesis, Characterization and Liquid Phase Oxidation of Cyclohexane with Hydrogen Peroxide over Oxovanadium(IV) Schiff-base Tetradentate Complex Covalently Anchored to Multi-Wall Carbon Nanotubes (MWNTs), Bull. Korean Chem. Soc. 2009, Vol. 30, No. 2, 355.

175. Masoud Salavati-Niasari, Zeinab Fereshteh, Fatemeh Davar, Synthesis of cobalt nanoparticles from [bis(2-hydroxyacetophenato)cobalt(II)] by thermal decomposition, *Polyhedron*, Volume 28, Issue 6, 23 April 2009, Pages 1065-1068

176. Masoud Salavati-Niasari, Noshin Mir, Fatemeh Davar, Synthesis and characterization of NiO nanoclusters via thermal decomposition, *Polyhedron*, Volume 28, Issue 6, 23 April 2009, Pages 1111-1114.

177. Masoud Salavati-Niasari, "Template synthesis and characterization of hexaaza macrocycles containing pyridine iron(II) complex nanoparticles dispersed within nanoreactors of zeolite-Y" *Inorganic Chemistry Communications*, *Inorganic Chemistry Communications*, Volume 12, Issue 5, May 2009, Pages 359-363.

178. M. Behpour, S.M. Ghoreishi, N. Soltani, M. Salavati-Niasari, The inhibitive effect of some bis-N,S-bidentate Schiff bases on corrosion behaviour of 304 stainless steel in hydrochloric acid solution" *Corrosion Science*, Volume 51, Issue 5, May 2009, Pages 1073-1082

***179. M. Salavati-Niasari**, Synthesis of monodisperse nanocrystals of manganese oxides, *Int. J. Nanoparticles*, Vol. 2, Nos. 1/2/3/4/5/6, pp.291–296.

180. Masoud Salavati-Niasari, Fatemeh Davar, Masoud Farhadi, Synthesis and characterization of spinel-type CuAl_2O_4 nanocrystalline by modified sol-gel method, *Journal of Sol-Gel Science and Technology*: Volume 51, Issue 1 (2009), Page 48.

181. Masoud Salavati-Niasari, Fatemeh Davar, Tahmineh Mahmoudi, A simple route to synthesize nanocrystalline nickel ferrite (NiFe_2O_4) in the presence of octanoic acid as surfactant" *Polyhedron*, Volume 28, Issue 8, 10 June 2009, Pages 1455-1458

182. Masoud Salavati-Niasari, Fatemeh Davar, Mohammad Reza Loghman-Estarki, Long chain polymer assisted synthesis of flower-like cadmium sulfide nanorods via hydrothermal process, *Journal of Alloys and Compounds*, Volume 481, Issues 1-2, 29 July 2009, Pages 776-780

***183. Mohsen Oftadeh, Masoud Salavati-Niasari**, Fatemeh Davar, Synthesis of ZnO nanoparticles and their optical properties, *Int. J. Nanoparticles*, Vol. 2, Nos. 1/2/3/4/5/6, pp.328–334.

***184. Fatemeh Davar, Masoud Salavati-Niasari**, Synthesis of monodisperse cobalt nanoparticles and their magnetic properties, *Int. J. Nanoparticles*, Vol. 2, Nos. 1/2/3/4/5/6, pp.297–302.

185 Masoud Salavati-Niasari, Noshin Mir, Fatemeh Davar, Synthesis and characterization of Co_3O_4 nanorods by thermal decomposition of cobalt oxalate, Journal of Physics and Chemistry of Solids, Volume 70, Issue 5, May 2009, Pages 847-852.

186 Masoud Salavati-Niasari, Fatemeh Mohandes, Fatemeh Davar Preparation of PbO nanocrystals via decomposition of lead oxalate, Polyhedron, Volume 28, Issue 11, 6 July 2009, Pages 2263-2267

187. Masoud Salavati-Niasari, Mehdi Bazarganipour, Synthesis, characterization and catalytic oxidation properties of multi-wall carbon nanotubes with a covalently attached copper(II) salen complex, Applied Surface Science, Volume 255, Issue 17, 15 June 2009, Pages 7610-7617

188. Masoud Salavati-Niasari Synthesis and characterization of 18- and 20-membered hexaaza macrocycles containing pyridine manganese(II) complex nanoparticles dispersed within nanoreactors of zeolite-Y, Polyhedron, Volume 28, Issue 12, 5 August 2009, Pages 2321-2328.

Ω 189. Masoud Salavati-Niasari, Template synthesis and characterization of cobalt(II) complex nanoparticles entrapped in the nanoreactors of zeolite-Y, Journal of Inclusion Phenomena and Macrocyclic Chemistry, Springer Netherlands, 07.05.2009, vol. 65, no. 3, pp. 317-327

190. Masoud Salavati-Niasari, Mohammad Reza Loghman-Estarki, Fatemeh Davar, Synthesis, thermal stability and photoluminescence of new cadmium sulfide/organic composite hollow sphere nanostructures, Inorganica Chimica Acta, Volume 362, Issue 10, 1 August 2009, Pages 3677-3683

191. Fatemeh Davar, Fatemeh Mohandes, Masoud Salavati-Niasari, Synthesis and characterization manganese oxide nanobundles from decomposition of manganese oxalate, Inorganica Chimica Acta, Volume 362, Issue 10, 1 August 2009, Pages 3663-3668.

Ω 192. Masoud Salavati-Niasari, Zohreh Salimi, Mahdi Bazarganipour, Fatemeh Davar, Synthesis, characterization and catalytic oxidation of cyclohexane using a novel host (zeolite-Y)/guest (binuclear transition metal complexes) nanocomposite materials, Inorganica Chimica Acta, Volume 362, Issue 10, 1 August 2009, Pages 3715-3724.

Ω 193. Masoud Salavati-Niasari, Fatemeh Mohandes, Fatemeh Davar, Mehdi Mazaheri, Majid Monemzadeh, Nooshin Yavarinia, Preparation of NiO nanoparticles from metal-organic frameworks via a solid-state decomposition route" Inorganica Chimica Acta, Volume 362, Issue 10, 1 August 2009, Pages 3691-3697

Ω 194. Masoud Salavati-Niasari, Template synthesis and characterization of hexaaza nickel(II) complex nanoparticles entrapped within the zeolite-Y, *Inorganica Chimica Acta*, Volume 362, Issue 10, 1 August 2009, Pages 3738-3744

195. M. Behpour, S. M. Ghoreishi, A. Gandomi-Niasar, N. Soltani and **M. Salavati-Niasari**, The inhibition of mild steel corrosion in hydrochloric acid media by two Schiff base compounds; *Journal of Materials Science*, Volume 44, Number 10 / May, 2009; 2444–2453

196. Hosseini M, Sadeghi HB, Rahimi M, **Salavati-Niasari M**, Abkenar SD, Alizadeh K, Ganjali MR, Highly Selective and Sensitive Tin(II) Membrane Electrode Based on a New Synthesized Schiff's Base, *ELECTROANALYSIS* Volume: 21 Issue: 7 Pages: 859-866 Published: APR 2009.

Ω 197. Masoud Salavati-Niasari, Mahnaz Dadkhah, Fatemeh Davar, Synthesis and characterization of pure cubic zirconium oxide nanocrystals by decomposition of bis-aqua, tris-acetylacetonato zirconium (IV) nitrate as new precursor complex, *Inorganica Chimica Acta*, Volume 362, Issue 11, 15 August 2009, Pages 3969-3974.

Ω 198. Masoud Salavati-Niasari, Flexible ligand synthesis, characterization and liquid phase hydroxylation of phenol by H₂O₂ with host (nanopores of zeolite-Y)/guest ([VO([R]₂-N₂X₂)]²⁺ (R = H, CH₃; X = NH, O, S) nanocomposite materials, *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, Springer Netherlands, 30.05.2009, vol. 65, no. 3, pp. 349-360

199. M. Hosseini; M. R. Ganjali; B. Veismohammadi; S. Riahl; P. Norouzi; **M. Salavati-Niasari**; S. Dehghan Abkenar, "Highly Selective Ratiometric Fluorescent Sensor for La(III) Ion Based on a New Schiff's Base" ,*ANALYTICAL LETTERS*, Volume:42, Issue: 7, Pages: 1029-1040, Published: 2009.

200. K. Saberyan, E. Zolfonoun, M. Shamsipur, **M. Salavati-Niasari**, Separation and Preconcentration of Trace Gallium and Indium by Amberlite XAD-7 Resin Impregnated with a New Hexadentate Naphthol-Derivative Schiff Base, *Separation Science and Technology*, 44: 1851–1868, 2009

Ω 201. Masoud Salavati-Niasari, Synthesis, Characterization of Cobalt(II) Complex Nanoparticles Encapsulated within Nanoreactors of Zeolite-Y and Their Catalytic Activities" *Journal of Molecular Catalysis A: Chemical*, Volume 310, Issues 1-2, 1 September 2009, Pages 51-58

Ω 202. Masoud Salavati-Niasari, Mehdi Bazarganipour, Synthesis, characterization and liquid phase oxidation of alcohols into carboxylic acids and ketones with hydrogen peroxide with covalent functionalization of Multi-Wall carbon Nanotubes (MWNTs) by cobalt(II) Schiff-base complex; *Transition Metal Chemistry*: Volume 34, Issue 6 (2009), Page 605.

Ω 203. Masoud Salavati-Niasari, Mahnaz Dadkhah, Fatemeh Davar, Pure cubic ZrO₂ nanoparticles by thermolysis of new precursor, *Polyhedron*, Volume 28, Issue 14, 23 September 2009, Pages 3005-3009.

204. S. R. Yousefi, S. J. Ahmadi, F. Shemirani, M. R. Jamali, **M. Salavati-Niasari** "Simultaneous extraction and preconcentration of uranium and thorium in aqueous samples by new modified mesoporous silica prior to inductively coupled plasma optical emission spectrometry determination"; *Talanta*, Volume 80, Issue 1, 15 November 2009, Pages 212-217

Ω 205. **Masoud Salavati-Niasari**, Masoud Farhadi-Khouzani, Fatemeh Davar, Bright blue pigment CoAl_2O_4 nanocrystals prepared by modified sol-gel method" *Journal of Sol-Gel Science and Technology*, Volume 52, Number 3 / December, 2009, Page 321-327.

Ω 206. **Masoud Salavati-Niasari**, Afsaneh Khansari, Fatemeh Davar, Synthesis and characterization of cobalt oxide nanoparticles by thermal treatment process; *Inorganica Chimica Acta*, Volume 362, Issue 14, 10 November 2009, Pages 4937-4942

Ω 207. **Masoud Salavati-Niasari**, Davood ghanbari, Fatemeh Davar, Synthesis of different morphologies of bismuth sulfide nanostructures via hydrothermal process in the presence of thioglycolic acid, *Journal of Alloys and Compounds*, Volume 488, Issue 1, 20 November 2009, Pages 442-447

Ω 208. **Masoud Salavati-Niasari**, Fatemeh Mohandes, Fatemeh Davar, Kamal Saberyan, Fabrication of chain-like Mn_2O_3 nanostructures via thermal decomposition of manganese phthalate coordination polymers; *Applied Surface Science*, Volume 256, Issue 5, 15 December 2009, Pages 1476-1480

209. Mohammad Reza Ganjali, Mehdi Tavakoli, Farnoush Faridbod, Siavash Riahi, Parviz Norouzi and **Masoud Salavati-Niasari**, Interaction Study of a new Bis-Bidentate Schiff's Base with some Metal Ions and its Application in Fabrication of Sm(III) Potentiometric Membrane Sensor, *Int. J. Electrochem. Sci.*, 3 (2008) 1559 - 1573

*209-1 **MASOUD SALAVATI-NIASARI**, FATEMEH DAVAR, SYNTHESIS OF MONODISPERSE Mn_3O_4 NANOCRYSTALS, *International Journal of Nanoscience*; Vol. 8, No. 3 (2009) 281-283

*209-2. MOHSEN OFTADEH, **MASOUD SALAVATI-NIASARI**, FATEMEH DAVAR, SIZED-CONTROLLED ZnO NANOPARTICLES, SYNTHESIS AND MORPHOLOGY, *International Journal of Nanoscience*; Vol. 8, No. 3 (2009) 277-279

*209-3. **MASOUD SALAVATI-NIASARI**, FATEMEH DAVAR, SYNTHESIS OF COBALT AND COBALT OXIDE NANOPARTICLES AND THEIR MAGNETIC PROPERTIES; *International Journal of Nanoscience*; Vol. 8, No. 3 (2009) 273-276

Ω 210. Fatemeh Davar, **Masoud Salavati-Niasari**, Mehdi Mazaheri, Thermal decomposition of [bis(salicylaldehydato)cadmium(II)] to CdS nanocrystals, *Polyhedron*, Volume 28, Issue 18, 8 December 2009, Pages 3975-3978

Ω 211. Masoud Salavati-Niasari, Mehdi Bazarganipour, Fatemeh Davar; Hydrothermal preparation and characterization of based-alloy Bi₂Te₃ nanostructure with different morphology; *Journal of Alloys and Compounds*, Volume 489, Issue 2, 21 January 2010, Pages 530-534

Ω 212. Masoud Salavati-Niasari, Fatemeh Davar, Mohammad Reza Loghman-Estarki; Controllable synthesis of thioglycolic acid capped ZnS(Pn)_{0.5} nanotubes via simple aqueous solution route at low temperatures and conversion to wurtzite ZnS nanorods via thermal decompose of precursor; *Journal of Alloys and Compounds*, Volume 494, Issues 1-2, 2 April 2010, Pages 199-204

Ω213. Fatemeh Mohandes, Fatemeh Davar, **Masoud Salavati-Niasari**, Preparation of Co₃O₄ nanoparticles by nonhydrolytic thermolysis of [Co(Pht)(H₂O)]_n polymers; *Journal of Magnetism and Magnetic Materials*, Volume 322, Issue 7, April 2010, Pages 872-877

Ω 214. Masoud Salavati-Niasari, Noshin Mir, Fatemeh Davar; A novel precursor in preparation and characterization of nickel oxide nanoparticles via thermal decomposition approach; *Journal of Alloys and Compounds*, Volume 493, Issues 1-2, 18 March 2010, Pages 163-168

Ω 215. Masoud Salavati-Niasari, Davood ghanbari, Fatemeh Davar; Shape selective hydrothermal synthesis of tin sulfide nanoflowers based on nanosheets in the presence of thioglycolic acid; *Journal of Alloys and Compounds*, Volume 492, Issues 1-2, 4 March 2010, Pages 570-575

Ω216. Masoud Salavati-Niasari, Nanodimensional microreactors encapsulation of 15- and 16-membered diaza dioxo macrocyclic Schiff-base copper(II) complex nanoparticles: Synthesis and characterization; *Inorganic Chemistry Communications*, Volume 13, Issue 2, February 2010, Pages 266-272

217. Morteza Hosseini, Zahra Vaezi, Mohammad Reza Ganjali, Farnoush Faridbod, Shiva Dehghan Abkenar, Kamal Alizadeh, **Masoud Salavati-Niasari**; Fluorescence Turn-On Chemosensor for the Selective Detection of Zinc Ion Based on Schiff's Base Derivative; *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 75, Issue 3, March 2010, Pages 978-982

Ω 218. Masoud Salavati-Niasari, Fatemeh Davar, Zeinab Fereshteh, Synthesis of nickel and nickel oxide nanoparticles via heat-treatment of simple octanoate precursor, *Journal of Alloys and Compounds*, Volume 494, Issues 1-2, 2 April 2010, Pages 410-414

Ω 219. Masoud Salavati-Niasari, Noshin Mir, Fatemeh Davar, A novel precursor for synthesis of metallic copper nanocrystals by thermal decomposition approach, *Applied Surface Science, Volume 256, Issue 12, 1 April 2010, Pages 4003-4008*

Ω 220. Masoud Salavati-Niasari; Mehdi Bazarganipour, Fatemeh Davar; Nano-sized Cu₆Sn₅ alloy prepared by co-precipitation reductive route; " *Polyhedron, Volume 29, Issue 7, 10 May 2010, Pages 1796-1800.*

<http://dx.doi.org/10.1016/j.poly.2010.02.035>

Ω 221. Fatemeh Davar, **Masoud Salavati-Niasari**, Zienab Fereshteh; Synthesis and characterization of SnO₂ nanoparticles by thermal decomposition of new inorganic precursor;

Journal of Alloys and Compounds, Volume 496, Issues 1-2, 30 April 2010, Pages 638-643

<http://dx.doi.org/10.1016/j.jallcom.2010.02.152>

Ω 222. Fatemeh Davar, **Masoud Salavati-Niasari**, Noshin Mir, Kamal Saberyan, Majid Monemzadeh, Eshagh Ahmadi; Thermal decomposition route for synthesis of Mn₃O₄ nanoparticles in presence of a novel precursor; *Polyhedron, Volume 29, Issue 7, 10 May 2010, Pages 1747-1753*

<http://dx.doi.org/10.1016/j.poly.2010.02.026>

Ω 223. Masoud Salavati-Niasari; Jaber Javidi, Fatemeh Davar; Sonochemical synthesis of Dy₂(CO₃)₃ nanoparticles, Dy(OH)₃ nanotubes and their conversion to Dy₂O₃ nanoparticles; *Ultrasonics Sonochemistry, Volume 17, Issue 5, June 2010, Pages 870-877*

<http://dx.doi.org/10.1016/j.ultsonch.2010.02.013>

Ω 224. Masoud Salavati-Niasari; Noshin Mir, Fatemeh Davar, Synthesis, Characterization and Optical Properties of Tin Oxide Nanoclusters Prepared from a Novel Precursor via Thermal Decomposition Route;

Inorganica Chimica Acta, Volume 363, Issue 8, 5 May 2010, Pages 1719-1726

<http://dx.doi.org/10.1016/j.ica.2010.03.024>

Ω 225. Masoud Salavati-Niasari; Mehdi Bazarganipour, Fatemeh Davar; Solution-Chemical Syntheses of Nanostructure HgTe via a simple hydrothermal process; *Journal of Alloys and Compounds, Volume 499, Issue 1, 4 June 2010, Pages 121-125*

<http://dx.doi.org/10.1016/j.jallcom.2010.03.135>

226. M. Salavati-Niasari, S.N. Mirsattari, M. Monajjemi, M. Hamadiani, DENSITY FUNCTIONAL B3LYP AND B3PW91 STUDIES OF THE PROPERTIES OF FOURCYCLIC ORGANODIBORANES WITH TETRAMETHYLENE FRAGMENTS, *Journal of Structural Chemistry.* Vol. 51, No. 3, pp. 437-443, 2010

227. Kamal Saberyan, Ehsan Zolfonoun, Mojtaba Shamsipur and **Masoud Salavati-Niasari**; Amberlite XAD-4 Impregnated With a New Pentadentate Schiff base: a Chelating Collector for Separation and Preconcentration of Trace Amounts of Gallium(III) and Indium (III); *Acta Chim. Slov.* 2010, 57, 222–229

228. Seyed Reza Yousefi, Farzaneh Shemirani, Mohammad Reza Jamali, **Masoud Salavati-Niasari**; Extraction and preconcentration of ultra trace amounts of beryllium from aqueous samples by nanometer mesoporous silica functionalized by 2,4-dihydroxybenzaldehyde prior to ICP OES determination; *Microchim Acta*, DOI,

Q 229. M. Salavati-Niasari, Fatemeh Davar, Kamal Saberyan, Template synthesis and characterization of diaza dioxo macrocyclic nanosized cobalt(II) complex dispersed within nanocavity of zeolite-Y; *Polyhedron*, Volume 29, Issue 10, 8 July 2010, Pages 2149-2156
<http://dx.doi.org/10.1016/j.poly.2010.04.003>

Q 230. M. Salavati-Niasari, Fatemeh Davar, Synthesis and Characterization of Copper(II) Complex Nanoparticles ($[\text{Cu}([\text{18}]\text{py}_2\text{N}_4)]^{2+}$, $[\text{Cu}([\text{20}]\text{py}_2\text{N}_4)]^{2+}$, $[\text{Cu}(\text{Bzo}_2[\text{18}]\text{py}_2\text{N}_4)]^{2+}$, $[\text{Cu}(\text{Bzo}_2[\text{20}]\text{py}_2\text{N}_4)]^{2+}$) Encapsulated within the Zeolite-Y; *SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY* Volume: 40 Issue: 5 Pages: 345-354 Published: 2010

231. Hassan Ali Zamani, Mitra Rohani, Abbas Zangeneh-Asadabadi, Mohammad Reza Ganjali, **M. Salavati-Niasari**; A Novel Lutetium(III) PVC Membrane Sensor Based on a New Symmetric S–N Schiff's Base for Lu(III) Analysis in Real Sample; *Materials Science and Engineering: C*, Volume 30, Issue 6, 20 July 2010, Pages 917-920

232. Seyed Reza Yousefi, Farzaneh Shemirani & Mohammad Reza Jamali, **Masoud Salavati-Niasari**; Extraction and preconcentration of ultra trace amounts of beryllium from aqueous samples by nanometer mesoporous silica functionalized by 2,4-dihydroxybenzaldehyde prior to ICP OES determination; *MICROCHIMICA ACTA*, Volume: 169 Issue: 3-4, Pages: 241-248, Published: JUN 2010
DOI: [10.1007/s00604-010-0342-0](https://doi.org/10.1007/s00604-010-0342-0)

Q233. M. Salavati-Niasari, J. Javidi, F. Davar, A. Amini Fazl, Sonochemical synthesis of $\text{Dy}_2(\text{CO}_3)_3$ nanoparticles and their conversion to Dy_2O_3 and $\text{Dy}(\text{OH})_3$: Effects of synthesis parameters; *Journal of Alloys and Compounds*, Volume 503, Issue 2, 6 August 2010, Pages 500-506.
<http://dx.doi.org/10.1016/j.jallcom.2010.05.041>

Q234. M. Salavati-Niasari, F. Davar, Mehdi Bazarganipour, Synthesis, characterization and catalytic oxidation of *para*-xylene by a manganese(III) Schiff base complex on functionalized Multi-Wall carbon Nanotubes (MWNTs); *Dalton Trans.*, 2010, 39, 7330–7337;
Dalton Trans., 2010, DOI: [10.1039/B923416K](https://doi.org/10.1039/B923416K).

Q 235. M. Salavati-Niasari, F. Davar; Synthesis, Characterization and Catalytic Oxidation of Ethylbenzene over Host (zeolite-Y)/Guest (copper(II) Complexes of Tetraaza Macrocyclic ligands) Nanocomposite Materials (HGNM); *Journal of Coordination Chemistry*, 1029-0389, Volume 63, Issue 18, First published 2010, Pages 3240 – 3255
[DOI: 10.1080/00958972.2010.510557](https://doi.org/10.1080/00958972.2010.510557)

Q236. M. Salavati-Niasari, Azam Sobhani, Fatemeh Davar; Synthesis of star-shaped PbS nanocrystals using single source precursor; *Journal of Alloys and Compounds*, Volume 507, Issue 1, 24 September 2010, Pages 77-83
<http://dx.doi.org/10.1016/j.jallcom.2010.06.062>

Q237. M. Salavati-Niasari, Ghader Hosseinzadeh, Fatemeh Davar; Synthesis of lanthanum hydroxide and lanthanum oxide nanoparticles by sonochemical method; *Journal of Alloys and Compounds*, Volume 509, Issue 1, 5 January 2011, Pages 134-140
<http://dx.doi.org/10.1016/j.jallcom.2010.07.083>

Q238. M. Salavati-Niasari, Mehdi Bazarganipour, Fatemeh Davar, Minoo Sadri, Alireza Amini Fazl; Simple routes to synthesis and characterization of nanosized tin telluride compounds; *Applied Surface Science*, Volume 257, Issue 3, 15 November 2010, Pages 781-785
<http://dx.doi.org/10.1016/j.apsusc.2010.07.065>

239. M. Mazloun-Ardakani, P. Pourhakkak, **M. Salavati-Niasari**, M. A. Karimi and M. H. Mashhadizadeh; Highly Selective and Sensitive Membrane Salicylate Electrode Based on Complex of (1,8-Diamino-3,6-dioxaoctane) Nickel(II); *J. Braz. Chem. Soc.*, Vol. 22, No. 1, 30-37, 2011.

Q 240. M. Salavati-Niasari, Fatemeh Davar, Afsaneh Khansari, Nanosphericals and nanobundles of ZnO: Synthesis and characterization; *Journal of Alloys and Compounds*, Volume 509, Issue 1, 5 January 2011, Pages 61-65
<http://dx.doi.org/10.1016/j.jallcom.2010.08.060>

Q241. Fatemeh Davar, Fatemeh Mohandes, **M. Salavati-Niasari**; A novel chelating acid-assisted thermolysis procedure for preparation of tin oxide nanoparticles; *Polyhedron*, Volume 29, Issue 16, 29 October 2010, Pages 3132-3136
<http://dx.doi.org/10.1016/j.poly.2010.08.022>

Q242. M. Salavati-Niasari, Mehdi Bazarganipour, Fatemeh Davar, Hydrothermal synthesis and characterization of bismuth selenide nanorods via a co-reduction route; *Inorganica Chimica Acta*, Volume 365, Issue 1, 15 January 2011, Pages 61-64.
<http://dx.doi.org/10.1016/j.ica.2010.08.029>

243. M. Behpour, S.M. Ghoreishi, N. Mohammadi, N. Soltani, **M. Salavati-Niasari**; Investigation of some Schiff base compounds containing disulfide bond as HCl corrosion inhibitors for mild steel; *Corrosion Science*, Volume 52, Issue 12, December 2010, Pages 4046-4057

Q244. Fatemeh Mohandes, Fatemeh Davar, **Masoud Salavati-Niasari**; Magnesium oxide nanocrystals via thermal decomposition of magnesium oxalate; *Journal of Physics and Chemistry of Solids*, Volume 71, Issue 12, December 2010, Pages 1623-1628.

Q245. **Masoud Salavati-Niasari**, Ghader Hosseinzadeh, Fatemeh Davar; Synthesis of lanthanum carbonate nanoparticles via sonochemical method for preparation of lanthanum hydroxide and lanthanum oxide nanoparticles; *Journal of Alloys and Compounds*, Volume 509, Issue 1, 5 January 2011, Pages 134-140 <http://dx.doi.org/10.1016/j.jallcom.2010.09.006>

246. M. Hosseini, Z. Vaezi, M. R. Ganjali, F. Faridbod, S. Dehghan Abkenar, and **M. Salavati-Niasari**; Selective Recognition of Mercury in Waste Water Based on Fluorescence Enhancement Chemosensor; *Sensor Lett.* 8, 807-812 (2010)

Q 247. Fatemeh Davar, **Masoud Salavati-Niasari**; Synthesis and characterization of spinel-type zinc aluminate nanoparticles by a modified sol-gel method using new precursor; *Journal of Alloys and Compounds*, Volume 509, Issue 5, 3 February 2011, Pages 2487-2492 <http://dx.doi.org/10.1016/j.jallcom.2010.11.058>

Q 248. Fatemeh Davar, **Masoud Salavati-Niasari**, Sotirios Baskoutas; Temperature Controlled Synthesis of SrCO₃ Nanorods via a Facile Solid-State Decomposition Route Starting from a Novel Inorganic Precursor; *Applied Surface Science*, Volume 257, Issue 9, 15 February 2011, Pages 3872-3877 <http://dx.doi.org/10.1016/j.apsusc.2010.11.077>

249. Shiva Dehghan Abkenar, Morteza Hosseini, Zohreh Dahaghin, **Masoud Salavati-Niasari**, and Mohammad Reza Jamali; Speciation of Chromium in Water Samples with Homogeneous Liquid-Liquid Extraction and Determination by Flame Atomic Absorption Spectrometry; *Bull. Korean Chem. Soc.* 2010, Vol. 31, No. 10 2813; DOI 10.5012/bkcs.2010.31.10.2813.

250. M. MAZLOUM-ARDAKANI, H. BEITOLLAHI, Z. TALEAT, M. SALAVATI-NIASARI; Fabrication and characterization of molybdenum (VI) complex-TiO₂ nanoparticles modified electrode for electrocatalytic determination of L-cysteine; *Journal of the Serbian Chemical Society* 76 (4), pp. 575-589 DOI:10.2298/JSC100504042M

Q251. **Masoud Salavati-Niasari**; Fatemeh Davar, Hamid Emadi HIERARCHICAL NANOSTRUCTURED NICKEL SULFIDE ARCHITECTURES THROUGH SIMPLE HYDROTHERMAL METHOD IN THE PRESENCE OF THIOGLYCOLIC ACID; 1584-8663; *Chalcogenide Letters*; Vol. 7, No. 12, December 2010, p. 647-655; ISSN 1584-8663; <http://www.chalcogen.infim.ro/letters.html>

252 Mohsen Behpour, Sayed Mehdi Ghoreishi, Ebrahim Honarmand, **Masoud Salavati-Niasari**; A novel N,N'-[1,1'-Dithiobis(phenyl)] bis(salicylaldimine) self-assembled gold electrode for determination of dopamine in the presence of high concentration of ascorbic acid; *Journal of Electroanalytical Chemistry*, Volume 653, Issues 1-2, 1 April 2011, Pages 75-80

Q 253. Mehdi Bazarganipour, Mino Sadri, Fatemeh Davar, **Masoud Salavati-Niasari**; Mercury Selenide Nanorods: Synthesis and Characterization via a simple hydrothermal method; *Polyhedron*; Polyhedron, Volume 30, Issue 6, 13 April 2011, Pages 1103-1107
<http://dx.doi.org/10.1016/j.poly.2011.01.023>

Q254. Masoud Salavati-Niasari, Fatemeh Davar, Hamideh Seyghalkar, Elahe Esmaeili and Noshin Mir; Novel Inorganic Precursor in the Controlled Synthesis of Zinc Blend ZnS Nanoparticles via TGA-assisted Hydrothermal Method; *CrystEngComm*, 2011, 13, 2948-2954
DOI: 10.1039/C0CE00343C, Paper

Q 255. Mohammad Yousefi, Forozan Gholamian, Davood Ghanbari, **Masoud Salavati-Niasari**, Polymeric nanocomposite materials: Preparation and characterization of star-shaped PbS nanocrystals and their influence on the thermal stability of Acrylonitrile-Butadiene-Styrene (ABS) copolymer; *Polyhedron*, Volume 30, Issue 6, 13 April 2011, Pages 1055-1060

Q 256. Mohammad Yousefi, **Masoud Salavati-Niasari**, Forozan Gholamian, Davood Ghanbari, Alireza Aminifazl; Polymeric nanocomposite materials: Synthesis and thermal degradation of Acrylonitrile-Butadiene-Styrene/tin sulfide (ABS/SnS); *Inorganica Chimica Acta*, Volume 371, Issue 1, 31 May 2011, Pages 1-5.
<http://dx.doi.org/10.1016/j.ica.2011.02.020>

257. Elahe Esmaeili, **Masoud Salavati-Niasari**, Fatemeh Mohandes, Fatemeh Davar; Modified single-phase α -Fe₂O₃ nanoparticles via a facile approach for large-scale synthesis; *Chemical Engineering Journal*, Volume 170, Issue 1, 15 May 2011, Pages 278-285
<http://dx.doi.org/10.1016/j.cej.2011.03.010>

258. Masoud Salavati-Niasari, Elahe Esmaeili, Hamideh Seyghalkar, Mehdi Bazarganipour; Cobalt(II) Schiff base complex on Multi-Wall Carbon Nanotubes (MWNTs) by covalently grafted method: synthesis, characterization and liquid phase epoxidation of cyclohexene by air; *Inorganica Chimica Acta*, Volume 375, Issue 1, 1 September 2011, Pages 11-19
<http://dx.doi.org/10.1016/j.ica.2011.03.056>

259. Mohsen Behpour, Sayed Mehdi Ghoreishi, Ebrahim Honarmand and **Masoud Salavati-Niasari**, Comparative electrochemical study of new self-assembled monolayers of 2-[(Z)-1-(3-furyl)methylidene]amino-1-benzenethiol and 2-[(2-sulfanylphenyl)imino]methylphenol for

determination of dopamine in the presence of high concentration of ascorbic acid and uric acid, *ANALYST* Volume: 136, Issue: 9, Pages: 1979-1986, Published: 2011

Ω 260. Fatemeh Mohandes, Fatemeh Davar, **Masoud Salavati-Niasari**, Kamal Saberyan; The Production of Nickel(hydr)Oxide Nanostructures Via the Thermolysis of Metalorganic Frameworks; *Current Nanoscience*, Volume 7, Number 2, April 2011, pp. 260-266(7)

Ω261. Azam Sobhani, Fatemeh Davar, **Masoud Salavati-Niasari**, Synthesis and characterization of hexagonal nano-sized nickel selenide by simple hydrothermal method assisted by CTAB, *Applied Surface Science*, Volume 257, Issue 18, 1 July 2011, Pages 7982-7987
<http://dx.doi.org/10.1016/j.apsusc.2011.04.049>

262. M. Oftadeh, A. Aghtar, M. Nasr Esfahani, **Masoud Salavati-Niasari**, Noshin Mir; Fabrication of highly efficient dye-sensitized solar cell and CO₂ reduction photocatalyst using TiO₂ nanoparticles prepared by spin coating assisted sol-gel method; *Journal of the Iranian Chemical Society*, 2012, Volume 9, Number 2, Pages 143-149

263. Sayed Mehdi Ghoreishi, Mohsen Behpour, Asma Khoobi and **Masoud Salavati-Niasari**; Electrochemical study of a self-assembled monolayer of N,N-bis[(E)-(1-pyridyl) methylidene]-1,3-propanediamine formed on glassy carbon electrode: preparation, characterization and application; *Anal. Methods*, 2013, 5, 6727-6733; DOI: 10.1039/C3AY41480A, Paper

Ω264. Parvaneh Ghaderi Sheikhiabadi, Fatemeh Davar, **Masoud Salavati-Niasari**; The single source preparation of rod-like mercury sulfide nanostructures via hydrothermal method; *Inorganica Chimica Acta*, Volume 376, Issue 1, 1 October 2011, Pages 271-277
DOI information: 10.1016/j.ica.2011.06.021

265. M. Behpour, S.M. Ghoreishi, N. Mohammadi, **M. Salavati-Niasari**; Investigation of inhibiting effect of N-[(Z)-1-phenylethylidene]-N-{2-[(2-[(Z)-1-phenylethylidene] amino) phenyl]disulfanyl}phenyl} amine and its derivatives on the corrosion of stainless steel 304 in acid media; *Corrosion Science*, Volume 53, Issue 10, October 2011, Pages 3380-3387

Ω 266. **Masoud Salavati-Niasari**, Alireza Badiei, Kamal Saberyan; Oxovanadium(IV) salophen complex covalently anchored to Multi-Wall Carbon Nanotubes (MWNTs) as heterogeneous catalyst for oxidation of cyclooctene; *Chemical Engineering Journal*, Volume 173, Issue 2, 15 September 2011, Pages 651-658
<http://dx.doi.org/10.1016/j.cej.2011.07.023>

267. Abkenar, Sh.; Dahaghin, Z.; Sadeghi, H.; Hosseini, M.; **Salavati-Niasari, M.**; Determination of zinc in water samples by flame atomic absorption spectrometry after homogeneous liquid-liquid extraction *Journal of Analytical Chemistry*, Volume 66, Number 6, June 2011, pp. 612-617(6)

268. Forozan Gholamian, Mohammad Ali Sheikh-Mohseni, **Masoud Salavati-Niasari**, Highly selective determination of perchlorate by a novel potentiometric sensor based on a synthesized complex of

copper Original Research Article; *Materials Science and Engineering: C, Materials Science and Engineering: C, Volume 31, Issue 8, 1 December 2011, Pages 1688-1691*

Q269. Hamid Emadi, **Masoud Salavati-Niasari**, Fatemeh Davar; Synthesis and characterization of cobalt sulfide nanocrystals in the presence of thioglycolic acid via a simple hydrothermal method; *Polyhedron*, Volume 31, Issue 1, 4 January 2012, Pages 438-442.
<http://dx.doi.org/10.1016/j.poly.2011.09.047>

Q270. Azam Sobhani, **Masoud Salavati-Niasari**, Fatemeh Davar; Shape control of nickel selenides synthesized by a simple hydrothermal reduction process ; *Polyhedron*, Volume 31, Issue 1, 4 January 2012, Pages 210-216.
[doi:10.1016/j.poly.2011.09.017](http://dx.doi.org/10.1016/j.poly.2011.09.017)

271. Hassan Ali Zamani, Rahimi Fatemeh, Naghavi-Reyabbi Fatemeh, Arvinfar Ali, Imani Alihossien, Reza Ganjali Mohammad, Faridbod Farnoush, **Salavati-Niasari Masoud**; “Quantitative Analysis of Holmium Ion by a Ho^{3+} Ion-Selective Sensor Based on a Symmetric Thio-Schiff’s Base” *Chinese Journal of Chemistry* Volume 29, Issue 7, pages 1523–1528, July, 2011; DOI: 10.1002/cjoc.201180274

Q272. Noshin Mir, **Masoud Salavati-Niasari**, Fatemeh Davar, Preparation of ZnO nanoflowers and Zn glycerolate nanoplates using inorganic precursors via a convenient route and application in dye sensitized solar cells; *Chemical Engineering Journal* 181– 182 (2012) 779– 789
<http://dx.doi.org/10.1016/j.cej.2011.11.085>

Q 273. **Masoud Salavati-Niasari**, Maryam Entesari, Controlled synthesis of spherical $\langle\alpha\rangle$ -Ni(OH)₂ hierarchical nanostructures via a simple hydrothermal process and their conversion to NiO *Polyhedron*, Volume 33, Issue 1, 9 February 2012, Pages 302-309
<http://dx.doi.org/10.1016/j.poly.2011.11.054>

Q 274. Parvaneh Ghaderi Sheikhiabadi, **Masoud Salavati-Niasari**, Fatemeh Davar; Hydrothermal synthesis and optical properties of antimony sulfide micro and nano-size with different morphologies *Materials Letters*, Volume 71, 15 March 2012, Pages 168-171;
<http://dx.doi.org/10.1016/j.matlet.2011.12.038>

275. Hassan Ali Zamani, Mohammad Reza Ganjali, Farnoush Faridbod, **Masoud Salavati-Niasari**; Heptadentate Schiff-base based PVC membrane sensor for Fe(III) ion determination in water Samples; *Materials Science and Engineering: C, Volume 32, Issue 3, 1 April 2012, Pages 564-568*

Q276. Sabet, **M. Salavati-Niasari**, M. Davar, F.; Facile one-step microwave to prepare CuInS₂/CuS nanocomposite for solar cells; Page(s): 904 – 908;
Digital Object Identifier : 10.1049/mnl.2011.0406

Q277. Emadi, H. **Masoud Salavati-Niasari**, Davar, F.; Synthesis and characterisation of silver sulphide nanoparticles by ultrasonic method; Page(s): 909 - 913
Digital Object Identifier : 10.1049/mnl.2011.0432

Q278. Masoud Salavati-Niasari, Davood Ghanbari; The Effect of CdS/organic Nanostructure as Additive on the Thermal Stability of ABS Polymer, *High Temp. Mater. Proc.*, Vol. 31 (2012), pp. 133–138

DOI: 10.1515/htmp-2011-0158

<http://www.degruyter.com/view/j/htmp.2012.31.issue-2/htmp-2011-0158/htmp-2011-0158.xml>

Q 279. Masoud Salavati-Niasari, Azam Sobhani; Single-Source Molecular Precursor for Synthesis of CdS Nanoparticles and Nanoflowers; *High Temp. Mater. Proc.*, Vol. 31 (2012), pp. 157–162

DOI 10.1515/htmp-2011-0157

<http://www.degruyter.com/view/j/htmp.ahead-of-print/htmp-2011-0157/htmp-2011-0157.xml>

280. Hassan Ali Zamani, Mohammad Reza Ganjali, Farnoush Faridbod, **Masoud Salavati-Niasari**; Heptadentate Schiff-base based PVC membrane sensor for Fe(III) ion determination in water samples”; *Materials Science and Engineering: C, Volume 32, Issue 3, 1 April 2012, Pages 564-568*

Q281. Mahnaz Dadkhah, **Masoud Salavati-Niasari**, Fatemeh Davar; A New Inorganic Framework in the Synthesis of Barium Carbonate Nanoparticles via Convenient Solid State Decomposition Route; *Advanced Powder Technology, Volume 24, Issue 1, January 2013, Pages 14-20*

<http://dx.doi.org/10.1016/j.appt.2012.01.004>

Q282. Masoud Salavati-Niasari, Davood Ghanbari, Mohammad Reza Loghman-Estarki, Star-shaped PbS nanocrystals prepared by hydrothermal process in the presence of thioglycolic acid; *Polyhedron 35 (2012) 149–153*

<http://dx.doi.org/10.1016/j.poly.2012.01.010>

Q283. Sobhani, Azam, [Salavati-Niasari, Masoud](#); Facile hydrothermal synthesis of CoSO₄.H₂O nanoparticles and barite microcubes from novel precursors; *High Temperature Materials and Processes* Volume 31, Issue 6, Pages 711–715

<http://www.degruyter.com/view/j/htmp.2012.31.issue-6/htmp-2011-0153/htmp-2011-0153.xml>

Q284. Mahdiyeh Esmaeili-Zare, **Masoud Salavati-Niasari**, Azam Sobhani; Simple Sonochemical Synthesis and Characterization of HgSe Nanoparticles; *Ultrasonics Sonochemistry, Volume 19, Issue 5, September 2012, Pages 1079-1086*

Q285. Sima Alikhanzadeh-Arani, **Masoud Salavati-Niasari**, Fatemeh Davar; Synthesis and characterization of the one-dimensional cuprate Sr₂CuO₃ nanoparticles prepared by modified sol-gel method; *High Temperature Materials and Processes* Volume 32, Issue 1, February 2013, Pages 1-6

<http://www.degruyter.com/view/j/htmp.2013.32.issue-1/htmp-2012-0166/htmp-2012-0166.xml>

Q286. Mohammad Yousefi, **Masoud Salavati-Niasari**; Encapsulation of Erbium(III) and Thulium(III) Nanocomplexes Containing 18- and 20-Membered Dioxo Tetraaza Macrocyclic Ligands Within the Framework of Zeolite; *High Temperature Materials and Processes*; Volume 31, Issue 6, Pages 733–739,

<http://www.degruyter.com/view/j/htmp.2012.31.issue-6/htmp-2012-0001/htmp-2012-0001.xml>

Q287. Masoud Salavati-Niasari, Davood Ghanbari; Hydrothermal synthesis of star-like and dendritic PbS nanoparticles from new precursors; *Particuology*, Volume 10, Issue 5, October 2012, Pages 628-633
<http://dx.doi.org/10.1016/j.partic.2012.02.003>

Q288. Masoud Salavati-Niasari, Ghader Hosseinzadeh and Omid Amiri; "Synthesis of monodisperse lanthanum hydroxide nanoparticles and nanorods by sonochemical method; *Journal of Cluster Science* Volume 23, Number 2 (2012), 459-468, DOI: 10.1007/s10876-012-0454-2;
<http://www.springerlink.com/content/w1873135682w377w/fulltext.pdf>

Q289. Synthesis of different morphologies of PbS nanostructures via hydrothermal process; *High Temperature Materials and Processes* Volume 31, Issue 6, Pages 707–710, <http://www.degruyter.com/abstract/j/htmp.2012.31.issue-6/htmp-2011-0152/htmp-2011-0152.xml?rskey=WQsiif&result=2&q=salavati-niasari>

Q290. Masoud Salavati-Niasari, Tahmineh Mahmoudi and Omid Amiri; "Easy synthesis of magnetite nanocrystals via coprecipitation method, *Journal of Cluster Science* Volume 23, Number 2 (2012), 597-602, DOI: 10.1007/s10876-012-0451-5
<http://www.springerlink.com/content/rj250p22847832x5/fulltext.pdf>

Q291. Davood Ghanbari, Masoud Salavati-Niasari; Preparation and characterization of poly methyl methacrylate-cadmium sulfide nanocomposite; *High Temperature Materials and Processes*; Volume 31, Issue 6, Pages 769–773
<http://www.degruyter.com/view/j/htmp.2012.31.issue-6/htmp-2012-0018/htmp-2012-0018.xml>

Q292. Mohammad Yousefi, Mohammad Sabet, Masoud Salavati-Niasari, Hamid Emadi, "Synthesis and characterization PbS and Bi₂S₃ nanostructures via microwave approach and investigation of their behaviors in solar cell" *Journal of Cluster Science* Volume 23, Number 2 (2012), 511-525, DOI: 10.1007/s10876-012-0463-1
<http://www.springerlink.com/content/y6416146077187p7/fulltext.pdf>

Q293. Encapsulation of Erbium(III) and Thulium(III) Nanocomplexes Containing 18- and 20-Membered Dioxo Tetraaza Macrocyclic Ligands Within the Framework of Zeolite; *High Temp. Mater. Proc.*, Vol. 31 (2012), 733–739
<http://www.degruyter.com/view/j/htmp.2012.31.issue-6/htmp-2012-0001/htmp-2012-0001.xml>

Q294. Mohammad Yousefi, Mohammad Sabet, Masoud Salavati-Niasari and S. Mostafa Hosseinpour-Mashkani; Facile Microwave Approach for Synthesis of Copper-Indium Sulfide Nanoparticles and Study of Their Behavior in Solar Cell"; *Journal of Cluster Science* Volume 23, Number 2 (2012), 491-502, DOI: 10.1007/s10876-012-0460-4
<http://www.springerlink.com/content/k2306858712mg28g/fulltext.pdf>

Q295. Masoud Salavati-Niasari and Mehdi Bazarganipour; Organic-assisted Nano-sized Antimony Telluride Prepared by Co-precipitation Reductive Route; *Journal of Cluster Science; Volume 23, Number 2 (2012), 503-509, DOI: 10.1007/s10876-012-0461-3*
<http://www.springerlink.com/content/4814ln5370573275/fulltext.pdf>

Q296. Faezeh Soofivand, Fatemeh Mohandes, **Masoud Salavati-Niasari**; Simple and facile synthesis of Ag₂CrO₄ and Ag₂Cr₂O₇ micro/nanostructures using a novel silver precursor; *Micro & Nano Letters*, 2012, Vol. 7, Iss. 3, pp. 283–286
doi: 10.1049/mnl.2012.0042

297. Morteza Hosseini, Mohammad Reza Ganjali, Bahareh Veismohammadi, Farnoush Faridbod, Shiva Dehghan Abkenar, Masoud Salavati-Niasari; Selective recognition of acetate ion based on fluorescence enhancement chemosensor; Article first published online: 28 FEB 2012; DOI: 10.1002/bio.1354; *Luminescence*

Q298. Ali Kazemi Babaheydari, **Masoud Salavati-Niasari**, Afsaneh Khansari; Solvent-less synthesis of zinc oxide nanostructures from Zn(salen) as precursor and their optical properties; *Particuology, Volume 10, Issue 6, December 2012, Pages 759-764*,
<http://dx.doi.org/10.1016/j.partic.2012.03.006>

Q299. Zeinab Fereshteh, **Masoud Salavati-Niasari**, Kamal Saberyan, S. Mostafa Hosseinpour-Mashkani and Farnosh Tavakoli; Synthesis of nickel oxide nanoparticles from thermal decomposition of a new precursor; *Journal of Cluster Science*, 2012, Volume 23, Number 2, Pages 577-583
link.springer.com/article/10.1007/s10876-012-0477-8

Q300. M. Bazarganipour, **M. Salavati-Niasari**; Fabrication and characterisation of nanostructure zinc telluride by the hydrothermal method; *Micro & Nano Letters*, 2012, Vol. 7, Iss. 5, pp. 388–391; doi: 10.1049/mnl.2012.0074; May 2012
ieeexplore.ieee.org/iel5/11102/6210960/06210961.pdf

Q301. S. Alikhazadeh-Arani and **M. Salavati-Niasari**; Synthesis and characterization of high-temperature ceramic YBCO nanostructures prepared from a novel precursor, *Journal of NanoStructures*, 2012, Vol. 1, No. 1, PP. 62-68

302. S. Farhadiana, B. Shareghi, **M. Salavati-Niasari** and R. Amooaghaei; Spectroscopic Studies on the Interaction of Nano-TiO₂ with Lysozyme, *Journal of NanoStructures*, 2012, Vol. 1, No. 2, pp. 95-103

Q303. M. Dadkhah, **M. Salavati-Niasari** and N. mir; Synthesis and Characterization of Nano-Size CaCO₃ via Thermal Treatment and Solid State Method, *Journal of NanoStructures*, 2012, Vol. 1, No. 2, pp. 153-158

Q 304. Azam Sobhani, Masoud Salavati-Niasari; Sodium dodecyl benzene sulfonate-assisted synthesis through a hydrothermal reaction; *Materials Research Bulletin*, Volume 47, Issue 8, August 2012, Pages 1905-1911

<http://dx.doi.org/10.1016/j.materresbull.2012.04.020>

Q305. Afsaneh Khansari, **Masoud Salavati-Niasari**, Ali Kazemi Babaheydari; Synthesis and Characterization of Co₃O₄ Nanoparticles by Thermal Treatment Process; *Journal of Cluster Science* Volume 23, Number 2 (2012), 557-565, DOI: 10.1007/s10876-012-0468-9

<http://www.springerlink.com/content/95t7702x1l533k65/fulltext.pdf>

Q306. Sima Alikhanzadeh-Arani, **Masoud Salavati-Niasari** and Mohammad Almasi-Kashi; Growth of the Dysprosium-Barium-Copper Oxide Superconductor Nanoclusters in Biopolymer Gels; *J Inorg Organomet Polym* (2012) 22:1081–1086, DOI 10.1007/s10904-012-9687-7

<http://www.springerlink.com/content/35512g8718414084/fulltext.pdf>

Q307. Masoud Salavati-Niasari, Tahmineh Mahmoudi, Mohammad Sabet, S. Mostafa Hosseinpour-Mashkani, Faezeh Soofivand, Farnosh Tavakoli; Synthesis and characterization of copper ferrite nanocrystals via coprecipitation" *Journal of Cluster Science*: Volume 23, Issue 4 (2012), Page 1003-1010; December 2012, Volume 23, Issue 4, pp 1003-1010

www.springerlink.com/index/88N85646PRW918L2.pdf

Q308. **Masoud Salavati-Niasari**, Mahnaz Dadkhah, Mohammad Reza Nourani and Alireza Amini Fazl; Synthesis and characterization of single-phase cubic ZrO₂ spherical nanocrystals by decomposition route" *Journal of Cluster Science*: Volume 23, Issue 4 (2012), Page 1011-1017

www.springerlink.com/index/y317511h221mg478.pdf

Q309. Fatemeh Mohandes, Masoud Salavati-Niasari; Sonochemical Synthesis of Silver Vanadium Oxide Micro/Nanorods: Solvent and Surfactant Effects; *Ultrasonics Sonochemistry*, Volume 20, Issue 1, January 2013, Pages 354-36

<http://dx.doi.org/10.1016/j.ultsonch.2012.05.002>

Q310. Mehdi Ranjbar, **Masoud Salavati-Niasari** and S. Mostafa Hosseinpour-Mashkani; Microwave Synthesis and Characterization of Spinel-type Zinc Aluminate Nanoparticles; *J Inorg Organomet Polym* (2012) 22:1093–1100, DOI 10.1007/s10904-012-9695-7

<http://www.springerlink.com/content/lu86162654642867/fulltext.pdf>

Q311. **Masoud Salavati-Niasari** and Jaber Javidi; Synthesis of Hollow SiO₂ Nanoparticles from Dy₂O₃@SiO₂ Core-Shell Nanocomposites via a Recyclable Sonochemical Method; *Journal of Cluster Science*: Volume 23, Issue 4 (2012), Page 1019-1028

www.springerlink.com/index/XP25N355567484P1.pdf

Q312. Sima Alikhanzadeh-Arani, **Masoud Salavati-Niasari**, Mohammad Almasi-Kashi, Morphologies and magnetic properties of FeCo nanoparticles modulated by changing the types of ligands, *Journal of Magnetism and Magnetic Materials*, Volume 324, Issue 22, November 2012, Pages 3652-3657

<http://dx.doi.org/10.1016/j.jmmm.2012.05.014>

Q313. Mehdi Ranjbar, **Masoud Salavati-Niasari**, S. Mostafa Hosseinpour-Mashkani and K. Venkateswara-Rao; Solvothermal synthesis and characterization of hollow sphere-like ZnS/ZnAl₂S₄nanocomposites; *J Inorg Organomet Polym* (2012) 22:1122–1127, DOI 10.1007/s10904-012-9704-x

<http://www.springerlink.com/content/65kk4u3175880354/fulltext.pdf>

Q 314. Masoud Salavati-Niasari, Jaber Javidi; Sonochemical synthesis of silica and silica sulfuric acid nanoparticles from rice husk ash: A new and recyclable catalyst for the acetylation of alcohols and phenols under heterogeneous conditions; *Combinatorial Chemistry and High Throughput Screening*; Volume 15, Issue 9, November 2012, Pages 705-712

<https://pubget.com/paper/22934954>

Q315. M. Salavati-Niasari, M. Ranjbar, F. Mohandes; Self-assembly of cubic-like nanostructures to form star-like lead sulfate microstructures; *Micro & Nano Letters*, 2012, Vol. 7, Iss. 6, pp. 581–584
ieeexplore.ieee.org/iel5/11102/6231241/06231262.pdf

Q316. S. Alikhanzadeh-Arani, M. Salavati-Niasari; Synthesize and Characterization of Ca₂CuO₃ Nanostructures via a Modified Sol-Gel Method Assisted by Hydrothermal Process" *Journal of Cluster Science*: Volume 23, Issue 4 (2012), Page [1069-1080](#);
www.springerlink.com/index/lq5u8t123v724vpt.pdf
December 2012, Volume 23, [Issue 4](#), pp 1069-1080

Q317. Davood Ghanbari, Masoud Salavati-Niasari and Mohammad Sabet; Polymeric matrix nanocomposites: Influence of cadmium sulfide nanostructure on the thermal degradation of poly (vinyl alcohol) and cellulose acetate" *Journal of Cluster Science*: Volume 23, Issue 4 (2012), Page [1081-1095](#)
December 2012, Volume 23, [Issue 4](#), pp 1081-1095
www.springerlink.com/index/k513781h3x820560.pdf

Q318. Mohammad Sabet, **Masoud Salavati-Niasari**, Mohsen Ashjari, Davood Ghanbari, Mahnaz Dadkhah; CuInS₂/CuS nanocomposite: Synthesis via simple microwave approach and investigation its behavior in solar cell, *J Inorg Organomet Polym* (2012) 22:1139–1145, DOI 10.1007/s10904-012-9716-6
<http://www.springerlink.com/content/u85753167m863348/fulltext.pdf>

319. JAVAD SAFAEI GHOMI, AHMAD KAKAVAND-QALENOEI, MOHAMMAD ALI GHASEMZADEH, **MASOUD SALAVATI-NIASARI**; An efficient one-pot alkylation of imines using nano silver iodide in aqueous media
Turk J Chem

320. Mohammadhassan Motaghedifard, Sayed Mehdi Ghoreishi, Mohsen Behpour, Zohreh Moghadam, **Masoud Salavati-Niasari**; Electrochemical study of new Self Assembled Monolayer of 2-Hydroxy-N' 1-[(E)-1-(3-methyl-2-thienyl) methylidene] Benzohydrazide on gold electrode as an epinephrine sensor element; *Journal of Electroanalytical Chemistry*, Volume 682, 15 August 2012, Pages 14-22

Q321. Azam Sobhani, **Masoud Salavati-Niasari**, S. Mostafa Hosseinpour-Mashkani; Single-Source Molecular Precursor for Synthesis of Copper Sulfide Nanostructures" *Journal of Cluster Science: Volume 23, Issue 4 (2012), Page 1143-1151*

http://download.springer.com/static/pdf/245/art%253A10.1007%252Fs10876-012-0509-4.pdf?auth66=1354894699_86a76ee19e911025625b6385cbc4b770&ext=.pdf

Q322G1393. Masoud Salavati-Niasari, Mehdi Ranjbar, Davood Ghanbari, A rapid microwave route for the synthesis of ZnS nanoparticles; *JNS 1 (2012) 231-235*

<http://jns.kashanu.ac.ir/2012-3/3%2007%20%20RANJBAR%20231-235.pdf>

<http://jns.kashanu.ac.ir/2012-3/3%2007%20%20RANJBAR%20231-235.pdf>

Q323. M. Salavati-Niasari, M. Esmaeili-Zare, A. Sobhani; Synthesis and characterisation of cadmium selenide nanostructures by simple sonochemical method; *Micro & Nano Letters*, 2012, Vol. 7, Iss. 8, pp. 831–834

doi: 10.1049/mnl.2012.0443

Q324. S. Mostafa Hosseinpour-Mashkani, Fatemeh Mohandes, **Masoud Salavati-Niasari**, K. Venkateswara-Rao; Microwave-assisted synthesis and photovoltaic measurements of CuInS₂ nanoparticles prepared by using metal-organic precursors.

Materials Research Bulletin, Volume 47, Issue 11, November 2012, Pages 3148-3159

<http://dx.doi.org/10.1016/j.materresbull.2012.08.017>

Q325. Mehdi Mousavi-Kamazani, **Masoud Salavati-Niasari**, Hamid Emadi; Preparation of stoichiometric CuInS₂ nanostructures by ultrasonic method; *Micro & Nano Letters*, 2012, Vol. 7, Iss. 9, pp. 896–900

Q326. Mehdi Mousavi-Kamazani, **Masoud Salavati-Niasari**, Hamid Emadi; Synthesis and characterization of CuInS₂ nanostructure by Ultrasonic-assisted method and different precursors;

Materials Research Bulletin, Volume 47, Issue 12, December 2012, Pages 3983-3990

<http://dx.doi.org/10.1016/j.materresbull.2012.08.044>

Q327. Ghazal Kianpour, **Masoud Salavati-Niasari**, Hamid Emadi; Sonochemical Synthesis and Characterization of NiMoO₄ Nanorods

Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 418-424

<http://dx.doi.org/10.1016/j.ultsonch.2012.08.012>

Q328. Masoud Salavati-Niasari, Jaber Javidi, Mahnaz Dadkhah; Ball milling synthesis of silica nanoparticle from rice husk ash for drug delivery application" *Combinatorial Chemistry and High Throughput Screening; Volume 16, Issue 6, July 2013, Pages 458-462*

http://scibite.com/site/library/2012_8/1/0/22931308.html

Q329. Noshin Mir, Masoud Salavati-Niasari; Photovoltaic properties of corresponding dye sensitized solar cells: Effect of active sites of growth controller on TiO₂ nanostructures

Solar Energy, Volume 86, Issue 11, November 2012, Pages 3397-3404

<http://dx.doi.org/10.1016/j.solener.2012.08.016>

Q330. Forozan Gholamian, Masoud Salavati-Niasari, Davood Ghanbari, Mohammad Sabet, The effect of flower-like magnesium hydroxide nanostructure on the thermal stability of cellulose acetate and acrylonitrile-butadiene-styrene; *J Clust Sci* (2013) 24:73–84
<http://link.springer.com/article/10.1007%2Fs10876-012-0518-3>

Q331. Davood Ghanbari, **Masoud Salavati-Niasari**, Mohammad Sabet; Preparation of flower-like magnesium hydroxide nanostructure and its influence on the thermal stability of poly vinyl acetate and poly vinyl alcohol, *Composites Part B: Engineering, Volume 45, Issue 1, February 2013, Pages 550-555*
<http://dx.doi.org/10.1016/j.compositesb.2012.09.007>

Q332. Azam Sobhani, **Masoud Salavati-Niasari**, Maryam Sobhani; Synthesis, characterization and optical properties of mercury sulfides and zinc sulfides using single-source precursor; *Materials Science in Semiconductor Processing, Volume 16, Issue 2, April 2013, Pages 410-417*
<http://www.sciencedirect.com/science/article/pii/S1369800112001989>

Q333. S. Mostafa Hosseinpour-Mashkani, **Masoud Salavati-Niasari**, Fatemeh Mohandes, K. Venkateswara-Rao; CuInS₂ nanoparticles: Microwave-assisted synthesis, characterization, and photovoltaic measurements; *Materials Science in Semiconductor Processing, Volume 16, Issue 2, April 2013, Pages 390-402*
<http://dx.doi.org/10.1016/j.mssp.2012.09.005>

Q334. Parvaneh Ghaderi Sheikhiabadi, **Masoud Salavati-Niasari**, Fatemeh Davar; Hydrothermal Synthesis, Characterization and Optical Properties of 3D Flower Like Indium Sulfide Nanostructures *Superlattices and Microstructures, Volume 53, January 2013, Pages 76-88*
<http://dx.doi.org/10.1016/j.spmi.2012.09.003>

Q335. Afsaneh Khansari, Morteza Enhessari, **Masoud Salavati-Niasari**; Synthesis and Characterization of Nickle Oxide Nanoparticles From Ni(salen) as Precursor; *J Clust Sci* (2013) 24:289–297
<http://link.springer.com/article/10.1007%2Fs10876-012-0521-8>

Q336. **Masoud Salavati-Niasari**, Zeynab Behfard, Omid Amiri, Elahe Khosravifard, S. Mostafa Hosseinpour-Mashkani; Hydrothermal Synthesis of Bismuth Sulfide (Bi₂S₃) Nanorods: Bismuth(III) Monosalicylate Precursor in the Presence of Thioglycolic Acid; *J Clust Sci* (2013) 24:349–363
<http://link.springer.com/article/10.1007%2Fs10876-012-0520-9>

Q337. Mahdiyeh Esmaeili-Zare, **Masoud Salavati-Niasari**, Davood Ghanbari; Synthesis and Characterization of HgSe Nanostructure Using a Novel Precursor; *High Temp. Mater. Proc.* 2013; 32(2): 157 – 162

Q338. **Masoud Salavati-Niasari**, Mehdi Ranjbar, Mohammad Sabet; Synthesis and characterization of ZnIn₂S₄ nanoparticles via a facile microwave approach
J Inorg Organomet Polym (2013) 23:452–457

<http://link.springer.com/article/10.1007%2Fs10904-012-9777-6>

Q339. Javad Safaei-Ghomi, Abdolrazzagh Gaderi-Zefre, Mohammad Ali Ghasemzadeh, Ahmad Kakavand-Ghalenoei, **Masoud Salavati-Niasari**; AgI nanoparticles as heterogeneous catalysts in one-pot alkylation reaction of chiral amines (L-valine methylester) in water-alcohol media; *chemija*. 2012. vol. 23. No. 3. P. 239–243

Q340. Hamid Emadi; **Masoud Salavati-Niasari**; Hydrothermal synthesis and characterization of lead sulfide nanocubes through simple hydrothermal method in the presence of [bis(salicylate)lead(II)] as a new precursor; *Superlattices and Microstructures*, Volume 54, February 2013, Pages 118-127
<http://dx.doi.org/10.1016/j.spmi.2012.10.002>

Q341. Maryam Jafari, **Masoud Salavati-Niasari**, Fatemeh Mohandes; Synthesis and characterization of silver selenide nanoparticles via a facile sonochemical rout starting from a novel inorganic precursor,"
J Inorg Organomet Polym (2013) 23:357–364
<http://link.springer.com/content/pdf/10.1007%2Fs10904-012-9784-7>

Q342. **Masoud Salavati-Niasari**, Hamid Emadi, Omid Amiri; Synthesis and Characterization of Samarium(III) and Europium(III) Complexes Encapsulated in the Nanopores of Zeolite-Y; *Main Group Chemistry* 11 (2012) 299–310; DOI 10.3233/MGC-120082
<https://iospress.metapress.com/content/f216653438m6g5pu/resource-secured/?target=fulltext.pdf>

Q343. **Masoud Salavati-Niasari**, Mahdiyeh Esmaeili-Zare, Azam Sobhani; Cubic HgSe nanoparticles: Sonochemical synthesis and characterization; *Micro & Nano Letters*, 2012, Vol. 7, Iss. 12, pp. 1300–1304; doi: 10.1049/mnl.2012.0709; 1750-0443

Q344. **Masoud Salavati-Niasari**, Azam Sobhani; Effect of nickel salt precursors on morphology, size, optical property and type of products (NiSe or Se) in hydrothermal method;
Optical Materials, Volume 35, Issue 5, March 2013, Pages 904-909
<http://dx.doi.org/10.1016/j.optmat.2012.11.004>

Q345. Mehdi Mousavi-Kamazani, **Masoud Salavati-Niasari**, Majid Ramezani, Preparation and characterization of Cu₂S nanoparticles via ultrasonic method; *J Clust Sci* (2013) 24:927–934
Published online: 7 December 2012
<link.springer.com/content/pdf/10.1007%2Fs10876-012-0537-0.pdf>

Q346. Mohammad Sabet, **Masoud Salavati-Niasari**, Davood Ghanbari, Omid Amiri, Mohammad Yousefi; Synthesis of CuInS₂ nanoparticles via simple microwave approach and investigation of their behavior in solar cell; *Materials Science in Semiconductor Processing*, Volume 16, Issue 3, June 2013, Pages 696-704
<http://dx.doi.org/10.1016/j.mssp.2012.12.011>

Q347. Masoud Salavati-Niasari, Bahareh Shoshtari-Yeganeh, Fatemeh Mohandes; Schiff-Base Assisted Synthesis of Lead Selenide Nanostructures; *Materials Research Bulletin*, Volume 48, Issue 5, May 2013, Pages 1745-1752

<http://dx.doi.org/10.1016/j.materresbull.2012.12.076>

Q348. Masoud Salavati-Niasari, Zahra Asgari Fard, Mohammad Sabet; Synthesis and characterization of CdCO₃ nanostructures via simple hydrothermal method; *J Clust Sci* (2013) 24:1–9

<http://link.springer.com/article/10.1007%2Fs10876-012-0547-y>

Q349. Noshin Mir, **Masoud Salavati-Niasari**; Preparation of TiO₂ nanoparticles by using tripodal tetraamine ligands as complexing agent via two-step sol-gel method and their application in dye-sensitized solar cells

Materials Research Bulletin, Volume 48, Issue 4, April 2013, Pages 1660-1667

<http://dx.doi.org/10.1016/j.materresbull.2013.01.006>

Q350. Masoud Salavati-Niasari, Afsaneh Khansari, Synthesis and Characterization of Co₃O₄ Nanoparticles by Simple Method; *Comptes Rendus Chimie*, Volume 17, Issue 4, April 2014, Pages 352-358.

<http://dx.doi.org/10.1016/j.crci.2013.01.023>

Q351. Masoud Salavati-Niasari, Sanaz Khoshroozi, Mohammad Sabet; Synthesis and Characterization of CdS Nanoparticles via Cyclic Microwave from Cadmium Oxalate; *J Clust Sci* (2013) 24:299–313

<http://link.springer.com/article/10.1007%2Fs10876-013-0556-5>

Q352. Masoud Salavati-Niasari, Hamideh Seyghalkar, Omid Amiri, Fatemeh Davar, Simple hydrothermal synthesis of nickel hydroxide flower-like nanostructures *J Clust Sci* (2013) 24:365–376

<http://link.springer.com/article/10.1007%2Fs10876-013-0558-3>

Q353. Masoud Salavati-Niasari, Ghazaleh Banaiean-Monfared, Hamid Emadi, Morteza Enhessari, Synthesis and Characterization of Nickel Sulfide Nanoparticles via Cyclic Microwave Radiation *Comptes Rendus Chimie*, Volume 16, Issue 10, October 2013, Pages 929-936

<http://dx.doi.org/10.1016/j.crci.2013.01.011>

Q354. Salavati-Niasari, Masoud; Shoshtari-Yeganeh, Bahareh; Mohandes, Fatemeh; Solvothermal Synthesis and Characterization of PbSe Nanostructures with the aid of Schiff-base Ligand; *J Clust Sci* (2013) 24:657–667; Published online: 31 January 2013

<http://link.springer.com/content/pdf/10.1007%2Fs10876-013-0564-5.pdf>

Q355. Ghazal Kianpour, **Masoud Salavati-Niasari**, Hamid Emadi; Precipitation synthesis of nanorods cobalt molybdates; *Superlattices and Microstructures*, Volume 58, June 2013, Pages 120-129

<http://dx.doi.org/10.1016/j.spmi.2013.01.014>

Q356. Faezeh Soofivand, **Masoud Salavati-Niasari**, Fatemeh Mohandes; Novel Precursor-assisted Synthesis and Characterization of Zinc Oxide Nanoparticles/nanofibers

Materials Letters, Volume 98, 1 May 2013, Pages 55-58

<http://dx.doi.org/10.1016/j.matlet.2013.01.129>

Q357. Masoud Salavati-niasari, Bahareh Shoshtari-Yeganeh, Mehdi Bazarganipour; Facile Synthesis of Rod-Shape Nanostructures Lead Selenide via Hydrothermal Process; *Superlattices and Microstructures*, Volume 58, June 2013, Pages 20-30

<http://dx.doi.org/10.1016/j.spmi.2013.02.003>

Q358. Faezeh Soofivand, Fatemeh Mohandes, **Masoud Salavati-Niasari**, Silver chromate and silver dichromate nanostructures: Sonochemical synthesis, characterization, and photocatalytic properties; *Materials Research Bulletin*, Volume 48, Issue 6, June 2013, Pages 2084-2094

<http://dx.doi.org/10.1016/j.matlet.2013.01.129>

Q359. Sima Alikhanzadeh-Arani, **Masoud Salavati-Niasari**, Mohammad Almasi-Kashi ; Influence of the utilized precursors on the morphology and properties of $\text{YBa}_2\text{Cu}_3\text{O}_{7-y}$ superconducting nanostructures; *Physica C: Superconductivity*, Volume 488, 15 May 2013, Pages 30-34

<http://dx.doi.org/10.1016/j.physc.2013.02.007>

Q360. Farnosh Tavakoli, Masoud Salavati-Niasari, Fatemeh Mohandes; Green synthesis of flower-like CuI microstructures composed of trigonal nanostructures using pomegranate juice; *Materials Letters*, Volume 100, 1 June 2013, Pages 133-136

<http://dx.doi.org/10.1016/j.matlet.2013.02.114>

Q361. Masoud Salavati-Niasari, Elahe Esmaeili, Mohammad Sabet; Synthesis and characterization of Cu_2S nanostructures via hydrothermal method by a polymeric precursor; *J Clust Sci* (2013) 24:799–809; Published online: 24 March 2013

link.springer.com/article/10.1007%2Fs10876-013-0575-2

Q362. Omid Amiri, **Masoud Salavati-Niasari**, Mehdi Mousavi-Kamazani, Davood Ghanbari, Mohammad Sabet, Kamal Saberyan, A new sonochemical method for preparation of different morphologies of CuInS_2 nanostructures, *Bull. Mater. Sci.*, Vol. 37, No. 5, August 2014, pp. 1079–1085.

<http://www.ias.ac.in/matersci/bmsaugust2014/1079.pdf>

Q363. Shahla Ahmadian-Fard-Fini, **Masoud Salavati-Niasari**, Azam Monfared, Fatemeh Mohandes PbTe nanostructures: Microwave-assisted synthesis by using lead Schiff-base precursor, characterization and formation mechanism” *Comptes Rendus Chimie*, Volume 16, Issue 9, September 2013, Pages 778-788

<http://dx.doi.org.scopesprx.elsevier.com/10.1016/j.crci.2013.03.017>,

Q364. Azam Sobhani, **Masoud Salavati-Niasari**; Synthesis, characterization, optical and magnetic properties of a nickel sulfide series by three different methods; *Superlattices and Microstructures*, Volume 59, July 2013, Pages 1-12;

<http://dx.doi.org/10.1016/j.spmi.2013.03.018>

Q365. Noshin Mir, **Masoud Salavati-Niasari**, Effect of tertiary amines on the synthesis and photovoltaic properties of TiO₂ nanoparticles in dye sensitized solar cells
Electrochimica Acta, Volume 102, 15 July 2013, Pages 274-281;

<http://dx.doi.org/10.1016/j.electacta.2013.03.141>

Q366. **NAP2014 Masoud Salavati-Niasari**, Zeynab Behfard, Omid Amiri; Synthesis of Bismuth Sulfide Nanostructures by Using Bismuth(III) Monosalicylate Precursor and Fabrication of Bismuth Sulfide Based p-n Junction Solar Cells" *ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING*; Asia-Pac. J. Chem. Eng. 2014; 9: 16–23; Published online 22 May 2013 in Wiley Online Library

<http://onlinelibrary.wiley.com/doi/10.1002/apj.1741/pdf>

Q367. Mahdiyeh Esmaeili-Zare, **Masoud Salavati-Niasari**, Davood Ghanbari, Alireza Aminifazl, A Facile Sonochemical Method for Synthesis of Mercury Selenide Nanostructures; *J Clust Sci* (2013) 24:881–890; Published online: 27 April 2013

link.springer.com/article/10.1007%2Fs10876-013-0585-0

Q368. Faezeh Soofivand, **Masoud Salavati-Niasari**, Novel solvent-less synthesis of CuO nanoparticles by using sublimated precursors; *Materials Letters*, Volume 106, 1 September 2013, Pages 83-86

<http://dx.doi.org/10.1016/j.matlet.2013.04.066>

Q369. Omid Amiri, **Masoud Salavati-Niasari**, Mohammad Sabet, Davood Ghanbari; Synthesis and characterization of CuInS₂ microsphere under controlled reaction conditions and its application in Low-Cost solar cell; *Materials Science in Semiconductor Processing*, Volume 16, Issue 6, December 2013, Pages 1485-1494

<http://dx.doi.org.scopesprx.elsevier.com/10.1016/j.mssp.2013.04.026>

Q370. Azam Sobhani, **Masoud Salavati-Niasari** Morphological control of MnSe₂/Se nanocomposites by amount of hydrazine through a hydrothermal process; *Materials Research Bulletin*, Volume 48, Issue 9, September 2013, Pages 3204-3210

<http://dx.doi.org.scopesprx.elsevier.com/10.1016/j.materresbull.2013.04.086>

Q371. Shahla Ahmadian-Fard-Fini, **Masoud Salavati-Niasari**, Fatemeh Mohandes; Synthesis and characterization of PbTe nanostructures in the presence of novel surfactants; *Advanced Powder Technology*, Volume 25, Issue 1, January 2014, Pages 301-309

<http://dx.doi.org/10.1016/j.appt.2013.05.005>

Q372. Hamid Reza Momenian, Sousan Gholamrezaei, **Masoud Salavati-Niasari**, Behnam Pedram, Farhang Mozaffar, Davood Ghanbari; Sonochemical Synthesis and Photocatalytic Properties of Metal Hydroxide and Carbonate (M: Mg, Ca, Sr or Ba) Nanoparticles; *Journal of Cluster Science*; December 2013, Volume 24, Issue 4, pp 1031-1042

<http://link.springer.com/article/10.1007%2Fs10876-013-0595-y>

Q373. Farnosh Tavakoli, Masoud Salavati-Niasaria, Fatemeh Mohandes; Sonochemical Synthesis and Characterization of Lead Iodide Hydroxide Micro/nanostructures; *Ultrasonics Sonochemistry, Volume 21, Issue 1, January 2014, Pages 234-241*

<http://dx.doi.org/10.1016/j.ultsonch.2013.05.007>

Q374. Masoud Salavati-Niasari, Mina Gholami-Daghian, Mahdiyeh Esmaeili-Zare, Fatemeh Sadat Sangsefidi; Solid State Synthesis and Characterization of Zinc Oxide (ZnO) Microflakes by [Bis(acetylacetonato)zinc(II)] and Sodium Hydroxide at Room Temperature; *Journal of Cluster Science* (2013) 24: 1093-1101, December 01, 2013

<http://link.springer.com/article/10.1007%2Fs10876-013-0600-5>

Q375. Fatemeh Mohandes, **Masoud Salavati-Niasari;** Application of a new coordination compound for the preparation of AgI nanoparticles; *Materials Research Bulletin, Volume 48, Issue 10, October 2013, Pages 3773-3782*

<http://dx.doi.org/10.1016/j.materresbull.2013.05.094>

Q376. Zahra Shahri, Azam Sobhani, **Masoud Salavati-Niasari,** Controllable synthesis and characterization of cadmium molybdate octahedral nanocrystals by coprecipitation method; *Materials Research Bulletin, Volume 48, Issue 10, October 2013, Pages 3901-3909*

Q377. Tahereh Gholami, **Masoud Salavati-Niasari,** Mehdi Bazarganipour, Elham Noori; Synthesis and Characterization of Spherical Silica Nanoparticles by Modified Stöber Process Assisted by Organic Ligand; Superlattices and Microstructures, Volume 61, September 2013, Pages 33-41

<http://dx.doi.org.scoepesprx.elsevier.com/10.1016/j.spmi.2013.06.004>

Q378. Maryam Masjedi-Arani, Masoud Salavati-Niasari, Davood Ghanbari, Gholamreza Nabiyouni; ; A sonochemical-assisted synthesis of spherical silica nanostructures by using a new capping agent *Ceramics International, Volume 40, Issue 1, Part A, January 2014, Pages 495-499*

<http://dx.doi.org/10.1016/j.ceramint.2013.06.029>

Q379. Hamid Reza Shams, Davood Ghanbari, **Masoud Salavati-Niasari,** Parastoo Jamshidi; Solvothermal synthesis of carbon nanostructure and its influence on thermal stability of poly styrene” *Composites Part B: Engineering, Volume 55, December 2013, Pages 362-367*

[http://dx.doi.org.scoepesprx.elsevier.com/10.1016/j.compositesb.2013.06.018,](http://dx.doi.org.scoepesprx.elsevier.com/10.1016/j.compositesb.2013.06.018)

Q380. Maryam Jafari, **Masoud Salavati-Niasari,** Kamal Saberyan, H. Sabarou, A simple Sonochemical route for synthesis silver selenide nanoparticles from SeCl₄ and silver salicylate; *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry* (2015) 45, 58–67

http://www.tandfonline.com/doi/pdf/10.1080/15533174.2013.818033#.VCOqr_mSx6A

Q381. S. Gholamrezaei, **M. Salavati-Niasari,** H. Hadadzadeh, M. T. Behnamfar, K. Saberyan, Preparation of honeycomb magnetic Co₃O₄ nanostructures from trans, trans, trans-[Co(py)₂(H₂O)₂(SCN)₂] as a new precursor; *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry* (2015) 45, 74–79

<http://www.tandfonline.com/doi/pdf/10.1080/15533174.2013.818035#.VCOtLvmSx6A>

Q382. Parastoo Jamshidi, **Masoud Salavati-Niasari**, Davood Ghanbari, Hamid Reza Shams; Synthesis, characterization, photoluminescence and photocatalytic properties of CeO₂ nanoparticles by the sonochemical method; Journal of Cluster Science December 2013, Volume 24, Issue 4, pp 1151-1162
<http://link.springer.com/article/10.1007%2Fs10876-013-0605-0>

Q383. Fatemeh Sadat Sangsefidi, **Masoud Salavati-Niasari**, Mahdiyeh Esmaeili-Zare; Hydrothermal method for synthesis of HgTe nanorods in presence of a novel precursor Superlattices and Microstructures, Volume 62, October 2013, Pages 1-11
<http://dx.doi.org.scopesprx.elsevier.com/10.1016/j.spmi.2013.06.016>

Q384. Salavati-Niasari, M., Esmaeili, E, Davar, F.; Synthesis and characterization of cadmium sulfide nanostructures by novel precursor via hydrothermal method; Combinatorial Chemistry and High Throughput Screening; Volume 16, Issue 1, January 2013, Pages 47-56.
<http://www.ncbi.nlm.nih.gov/pubmed/23190555>

Q385G1393. Mehdi Mousavi-Kamazani, **Masoud Salavati-Niasari**, Davood Ghanbari; A Facile Solvothermal Method for Synthesis of CuInS₂ Nanostructures; Journal of Nano Structures 2 (2012) 363-368
<http://jns.kashanu.ac.ir/Vol.%202.%20No%203/2-3-12-JNS%20Mousavi.pdf>

Q386G1393. Elahe Khosravifard, **Masoud Salavati-Niasari**, Mahnaz Dadkhah; Gholamhossein Sodeifian; Synthesis and Characterization of TiO₂-CNTs Nanocomposite and Investigation of Viscosity and Thermal Conductivity of a New Nanofluid; Journal of NanoStructures 2 (2012) 191-197.
<http://jns.kashanu.ac.ir/2012-2-2/khosravi.pdf>

Q387. Shahla Ahmadian Fard-Fini, **Masoud Salavati-Niasari**, Fatemeh Mohandes; Sonochemical and hydrothermal synthesis of PbTe nanostructures with the aid of a novel capping agent; *Materials Research Bulletin*, Volume 48, Issue 10, October 2013, Pages 4332-4338

Q388. Elham Noori, Mehdi Bazarganipour, **Masoud Salavati-Niasari**, Tahereh Gholami; Synthesis and Characterization of Silica Nanostructures in the Presence of Schiff-base Ligand via Simple Sonochemical Method; Journal of Cluster Science; December 2013, Volume 24, Issue 4, pp 1171-1180
<http://link.springer.com/article/10.1007%2Fs10876-013-0607-y>

Q389. Masoud Salavati-Niasari, Sakineh Alizadeh, Mehdi Mousavi-Kamazani, Noshin Mir, Omid Rezaei, Eshagh Ahmadi; Surfactant-free fabrication of copper sulfides (CuS, Cu₂S) via hydrothermal method; Journal of Cluster Science December 2013, Volume 24, Issue 4, pp 1181-1191
<http://link.springer.com/article/10.1007%2Fs10876-013-0608-x>

Q390. Maryam Masjedi; N. MIR; Elham Noori; Tahereh Gholami; **Masoud Salavati-Niasari**, Effect of Schiff base ligand on the size and the optical properties of TiO₂ nanoparticles” Superlattices and Microstructures, Volume 62, October 2013, Pages 30-38
<http://dx.doi.org.scopesprx.elsevier.com/10.1016/j.spmi.2013.07.003>

Q391. Maryam Jafari, **Masoud Salavati-Niasari**, Azam Sobhani; Ag₂Se nanoparticles: synthesis, characterization and effect of preparation conditions under ultrasound radiation; *Micro & Nano Letters*, Volume 8, Issue 9, September 2013, p. 508 – 511,

<http://digital-library.theiet.org/content/journals/10.1049/mnl.2013.0444>

Q392. Mehdi Mousavi-Kamazani, **Masoud Salavati-Niasari**; A Simple Microwave Approach for Synthesis and Characterization of Ag₂S-AgInS₂ Nanocomposites; *Composites Part B: Engineering*, Volume 56, January 2014, Pages 490-496

<http://dx.doi.org/10.1016/j.compositesb.2013.08.066>

Q393. Farnosh Tavakoli, Masoud Salavati-Niasari, Davood Ghanbari, Kamal Saberyan, S. Mostafa Hosseinpour-Mashkani; Application of glucose as a green capping agent and reductant to fabricate CuI nanostructures; *Materials Research Bulletin*, Volume 49, January 2014, Pages 14-20

<http://dx.doi.org/10.1016/j.materresbull.2013.08.037>

Q394. Omid Amiri, **Masoud Salavati-Niasari**, Mohammad Sabet, Davood Ghanbari; Sonochemical Method for Preparation of Copper Indium Sulfide Nanoparticles and their Application for Solar Cell; *Combinatorial Chemistry & High Throughput Screening*, 2014, 17, 183-189

<http://eurekaselect.com/114466> ISSN (Print): 1386-2073 ISSN (Online): 1875-5402

Q395. Zahra Shahri; **Masoud Salavati-Niasari**; Mehdi Bazarganipour; Controllable Synthesis of Novel Zinc Molybdate Rod-Like Nanostructures via Simple Surfactant-Free Precipitation Route *Superlattices and Microstructures*, Volume 63, November 2013, Pages 258-266

<http://dx.doi.org/10.1016/j.spmi.2013.08.020>

Q396. Mehdi Mousavi-Kamazani; **Masoud Salavati-Niasari**; Mohammad Sadeghinia; Synthesis and characterization of Cu₂S nanostructures via cyclic microwave radiation *Superlattices and Microstructures*, Volume 63, November 2013, Pages 248-257

<http://dx.doi.org/10.1016/j.spmi.2013.08.023>

Q397. **Masoud Salavati-Niasari**, Leila Saleh, Fatemeh Mohandes, Akbar Ghaemi; Sonochemical preparation of pure *t*-LaVO₄ nanoparticles with the aid of tris(acetylacetonato)lanthanum hydrate as a novel precursor; *Ultrasonics Sonochemistry*, Volume 21, Issue 2, March 2014, Pages 653-662

<http://dx.doi.org/10.1016/j.ultsonch.2013.09.007>

Q398. Majid Ghasemi-Koch, **Masoud Salavati-Niasari**, Davood Ghanbari; A Surfactant-Free Sonochemical Method for Synthesis of Cu₂Te Nanoparticles; *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, Volume 45, Issue 6, 2015, pages 858-864, Published online: 06 Jan 2015

<http://www.tandfonline.com/doi/pdf/10.1080/15533174.2013.843560>

<http://www.tandfonline.com/doi/abs/10.1080/15533174.2013.843560?journalCode=lsrt20#.VK5TcSuUd6>

[A](#)

Q399. Zahra Shahri, **Masoud Salavati-Niasari**, Noshin Mir, Ghazal Kianpour; Facile synthesis and characterization of nanostructured flower-like Copper Molybdate by co-precipitation method
Journal of Crystal Growth, Volume 386, 15 January 2014, Pages 80-87

<http://dx.doi.org/10.1016/j.jcrysgro.2013.09.031>

Q400. Mohammad Sabet, **Masoud Salavati-Niasari**, Davood Ghanbari, Omid Amiri, Noshin Mir, Mahnaz Dadkhah; Synthesis and characterization of CuInSe₂ nanocrystals via facile microwave approach and study of their behavior in solar cell; *Materials Science in Semiconductor Processing*, Volume 25, September 2014, Pages 98-105

<http://www.sciencedirect.com/science/article/pii/S1369800113002849>

Q401. SHAHLA AHMADIAN-FARD-FINI, **MASOUD SALAVATI-NIASARI**, FATEMEH MOHANDÉS; Synthesis and characterization of PbTe micro/nanostructures through hydrothermal method by using a novel capping agent; *Bull. Mater. Sci.*, Vol. 37, No. 4, June 2014, pp. 753–759.

<http://www.ias.ac.in/matserci/bmsjune2014/753.pdf>

T2 402. A.Khansari, **M. Salavati-Niasari**, S. Gholamrezaei; Solid State Synthesis of Cobalt Oxide Nanohexagonals; Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry

Q403. **NAP2014** **Masoud Salavati-Niasari**, Mohammad Sabet, Elaheh Esmaeili, Synthesis and characterization of CoS₂ nanostructures via hydrothermal method; *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry* (2015) 45, 1159–1167; Downloaded by [151.246.91.76] at 10:18 01 April 2015

<http://www.tandfonline.com/doi/abs/10.1080/15533174.2013.862650#.VR1W2PmUd6A>

404. **NAP2014** Tahereh Gholami, **Masoud Salavati-Niasari**, Hamid Reza Momenian, Elham Noori, Davood Ghanbari; Synthesis of titanium dioxide nanoparticles and investigation of its photocatalytic properties Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry.

Q405. F. Soofivand, **M. Salavati-Niasari**, F. Mohandes, K. Saberyan, Armen Avanes; Synthesis and Characterization of AgSCN Micro/Nanostructures by Sonochemical Method; *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry* (2015) 45, 1191–1198

ISSN: 1553-3174 print / 1553-3182 online

<http://www.tandfonline.com/doi/pdf/10.1080/15533174.2013.862676#.VR1UrvmUd6A>

Q406. Azam Sobhani; **Masoud Salavati-Niasari**; Synthesis and characterization of a nickel selenide series via a hydrothermal process; *Superlattices and Microstructures*, Volume 65, January 2014, Pages 79-90

<http://dx.doi.org/10.1016/j.spmi.2013.10.030>

Q407. **NAP2014** Mohammad Sbet, **Masoud Salavati-Niasari**, Davood Ghanbari, Omid Amiri; Synthesis of copper indium sulfide nanoparticles via microwave approach and investigation of their behavior in solar cells; *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry* (2015) 45, 1025–1032

<http://www.tandfonline.com/doi/abs/10.1080/15533174.2013.862659>

<http://www.tandfonline.com/doi/pdf/10.1080/15533174.2013.862659>

Published online: 09 Sep 2015.

Q408. F. Motahari, M.-R. Mozdianfar, F. Soofivand, **M. Salavati-Niasari**; Binary Roles of Schiff-bases as Capping Agent and Precursor for Synthesis of Metallic Nickel Ultrafine Nanoparticles Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry (2015) 45, 1449–1456

<http://www.tandfonline.com/doi/pdf/10.1080/15533174.2013.862824>

<http://www.tandfonline.com/eprint/6qYfF4eX8bQFUUBjsYiH/full#.VWarmM-qgko>

<http://dx.doi.org/10.1080/15533174.2013.862824>

Q409. **NAP2014 Masoud Salavati-Niasari**, Mohammad Sabet, Zahra Asgari Fard, Kamal Saberyanc, S. Mostafa Hosseinpour-Mashkanid; Synthesis and Characterization of Calcium Carbonate Nanostructures via Simple Hydrothermal Method; Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, Published online: 06 Jan 2015, Volume 45, Issue 6, 2015, pages 848-857

<http://www.tandfonline.com/doi/pdf/10.1080/15533174.2013.862643>

<http://www.tandfonline.com/eprint/s5mkETfVRC7x2NWssd7/full#.VK5UniuUd6A>

Q410. **Masoud Salavati-Niasari**, Mehdi Bazarganipour, Majid Ghasemi-Kooch; Facile Sonochemical Synthesis and Characterization of CdTe Nanoparticles; Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry (2015) 45, 1558–1564; 24 Nov 2014.

<http://dx.doi.org/10.1080/15533174.2013.865218>

http://www.tandfonline.com/doi/full/10.1080/15533174.2013.865218#.VXk6R_mqgko

411. Mohammad Reza Ganjali, Morteza Hosseini, Anahita Karimi, Hedieh Haji-Hashemi, **Masoud Salavati-Niasari**, Parviz Norouzi; Holmium(III)-selective fluorimetric optode based on N,N-bis(salicylidene)-naphthylene-1,8-diamine as a neutral fluorogenic ionophore Original Research Article; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 121, 5 March 2014, Pages 224-229

Q412. Maryam Shakouri-Arani, **Masoud Salavati-Niasari**; Synthesis and characterization of cadmium sulfide nanocrystals in the presence of a new sulfur source via a simple hydrothermal method; New J. Chem., 2014, 38, 1179—1185; First published online 23 Jan 2014

<http://pubs.rsc.org/en/content/articlelanding/2014/nj/c3nj00996c#!divAbstract>

Q413. Mohammad Sabet, **Masoud Salavati-Niasari**, Omid Amiri; Using different chemical methods for deposition of CdS on TiO₂ surface and investigation of their influences on the dye-sensitized solar cell performance; Electrochimica Acta, Volume 117, 20 January 2014, Pages 504-520.

<http://dx.doi.org/10.1016/j.electacta.2013.11.176>

414. **Masoud Salavati-Niasari**, Sotirios Baskoutas; Praseodymium(III) and neodymium(III) of 18- and 20-membered Schiff base complex nanoparticles encapsulated within the zeolite Y: Synthesis and characterization

Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry

QT1 415. Masoud Salavati-Niasari, Azam Sobhani, Sanaz khoshrooz, Noshin Mirzanasari, "Preparation and characterization of PbS nanoparticles via cyclic microwave radiation using precursor of lead (II) oxalate; *Journal of Cluster Science* July 2014, Volume 25, Issue 4, pp 937-947

<http://link.springer.com/article/10.1007%2Fs10876-013-0674-0>

Q416. Maryam Shakouri-Arani, **Masoud Salavati-Niasari;** A facile and reliable route to prepare of flower shaped lead sulfide nanostructures from a new sulfur source; *Journal of Industrial and Engineering Chemistry, Volume 20, Issue 5, 25 September 2014, Pages 3141-3149*

<http://www.sciencedirect.com/science/article/pii/S1226086X13006217>

Q417. Farnosh Tavakoli, **Masoud Salavati-Niasari;** A Facile Synthesis of CuI-Graphene Nanocomposite by Glucose as a Green Capping Agent and Reductant; *Journal of Industrial and Engineering Chemistry, Volume 20, Issue 5, 25 September 2014, Pages 3170-3174*

<http://www.sciencedirect.com/science/article/pii/S1226086X13006254>

Q418. Maryam Shakouri-Arani, **Masoud Salavati-Niasari;** Synthesis and characterization of wurtzite ZnS nanoplates through simple solvothermal method with a novel approach; *Journal of Industrial and Engineering Chemistry, Volume 20, Issue 5, 25 September 2014, Pages 3179-3185*

<http://www.sciencedirect.com/science/article/pii/S1226086X13006278>

Q419. Sahar Zinatloo Ajabshir, **Masoud Salavati-Niasari;** Synthesis of pure nanocrystalline ZrO₂ via a simple sonochemical-assisted route; *Journal of Industrial and Engineering Chemistry, Volume 20, Issue 5, 25 September 2014, Pages 3313-3319*

<http://www.sciencedirect.com/science/article/pii/S1226086X1300645X>

Q420. Sousan Gholamrezaei, **Masoud Salavati-Niasari,** Davood Ghanbari; A facile hydrothermal method for synthesis different morphologies of PbTe nanostructures; *Journal of Industrial and Engineering Chemistry, Volume 20, Issue 5, 25 September 2014, Pages 3335-3341*

<http://www.sciencedirect.com/science/article/pii/S1226086X13006497>

Q421. Fatemeh Sadat Sangsefidi, **Masoud Salavati-Niasari,** Mahdiyeh Esmaili-Zare; Synthesis and characterization of mercury telluride nanoparticles using a new precursor; *Journal of Industrial and Engineering Chemistry, Volume 20, Issue 5, 25 September 2014, Pages 3415-3420*

<http://www.sciencedirect.com/science/article/pii/S1226086X13006606>

Q422. Mahnaz Dadkhaha, **Masoud Salavati-Niasari;** Dye-sensitized solar cells based on tin dioxide nanoparticles prepared by facile hydrothermal method; *Materials Science in Semiconductor Processing, Volume 20, April 2014, Pages 41-48*

<http://dx.doi.org/10.1016/j.mssp.2013.12.025>